DataComm Products and Equipment Catalog



IDEAL DataComm

CUT | STRIP | TERMINATE | TEST | CERTIFY

The way every job should be



IDEAL DataComm is dedicated to helping low voltage/datacomm professionals keep networks up and running. The system of products we have thoughtfully crafted **ensures the highest-quality** terminations with the ease-of-use you would expect from IDEAL. Our DataComm line includes a system solution for paired conductor, coax and fiber optic cabling.

www.idealindustries.com

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ISO 9001
Registered Quality Management System

For applicable GSA Contracts — contact IDEAL at 800-947-3614

BICSI CORPORATE MEMBER

New Products



Grounding Block

- Solid zinc alloy, nickel plated and chromate finished

Page B-8



Mini Coax Stripper

- Adjustable stripper for mini coax cable

Page B-3



OmniSeal™ Pro Compression Tools

- Compression tools now offer additional features and increased connector compatibility

Page B-6



Compression Connector Installation Kit

- Three tools in one handy pouch that clips easily to your belt.

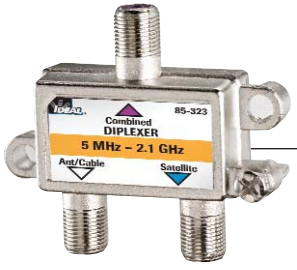
Page B-9



8-Way Splitter

- Designed for easy mounting over cable

Page B-8



Diplexer

- Combine or split cable/ antenna signls with satellite signals

Page B-8

Push-on RG-59 & RG-6 Quad F-Connectors



- No termination tool needed, permanent connections

Page B-7



Coax/UTP Cable Stripper

- Strips UTP cable, RG-59 coax and RG-6 coax and features a primary and secondary strip cartridge

Page B-3



SecuriTEST™ CCTV/Security Tester

- Versatile all-in-one installation and troubleshooting tool for the CCTV professional

Page D-7

SIGNALTEK™-FO Multimedia Qualification Tester

- Offers copper and fiber optic testing

Page D-2








Data T²-Cutter

Data T®-Cutter

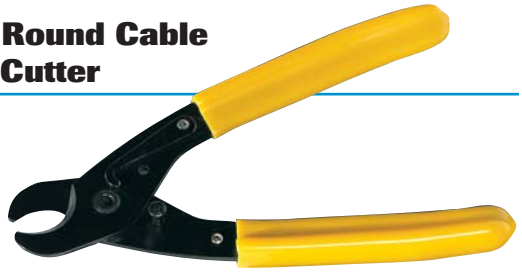


Cuts round communication and structured wiring cables and maintains cable geometry for better cable performance. Data T®-Cutter cuts multi-pair cable up to .500 in. (12.7 mm) and coaxial cable up to RG-9/U. Blade cutting capabilities suitable for soft cables (not ACSR).

- Steel reinforced center conductors can be trimmed with bolt cutting holes
- Data T®-Cutter II designed for RG-58 and RG-6 coaxial cable
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch

Description	Cat. No.
Data T®-Cutter	45-074
Data T®-Cutter II	45-075

Economy Round Cable and Wire Cutter



Cuts multi-conductor cable up to .500 in. (12.7 mm) and solid or stranded wire up to #8 AWG (10 mm^2).

- Built-in return spring, locking latch
- Soft handles for a comfortable grip
- Stamped, hardened steel frame with curved cutting blades

Description	Cat. No.
Multi Conductor Cable to .500 in. (12.7 mm) Solid or Stranded	35-051

Underground Feeder (UF) Cable Stripper

Works great on Category Cable!

- Self-adjusting stripping blades automatically select proper position
- Strips 12 AWG solid to 14 AWG Underground Feeder (UF) Cable
- Strips Twin and Earth cable
- Open-throat construction allows unlimited strip length



Description	Cat. No.
Underground Feeder Cable Stripper	45-235
Replacement blade set	45-234

Tele T®-Stripper

Strips and cuts flat telephone cable easily. Cuts outer insulation without nicking inner conductors.



- Built-in stripping guide for 8-position or 6-position modular plugs
- Spring-opening returns handles to place after every use
- Ergonomic, comfort-grip handles

MADE IN THE USA

Description	Cat. No.
Tele T®-Stripper	45-076

Telephone Line Cord Stripper

- Cuts and strips flat telephone cable for RJ-11 and RJ-45 modular plugs
- Built-in stripping guide provides correct strip lengths



Description	Cat. No.
Telephone Line Cord Stripper and Cutter for RJ-11 and RJ-45 Flat Telephone Cable	45-519

Coax/UTP Cable Stripper

- Features a primary and secondary strip cartridge
- Strips UTP, RG-59 and RG-6 coax cable
- Rotates easily around finger
- Push-on ring for easy connector termination



Description	Cat. No.
Coax/UTP Cable Stripper	45-603

Cyclops® Data Cable Stripper



Fast, easy removal of outer sheath insulations (PVC and Plenum types) from all Unshielded Twisted Pair (UTP), Shielded Twisted Pair (STP) and multicore cables up to .433 in./11 mm in diameter.

Description	Cat. No.
For Unshielded and Shielded Twisted Pair Cable	**45-514**

UTP/STP/Coaxial Cable Strippers

- Adjustable blades can be set for any depth to help ensure nick-free strips



Works Great on CAT 5 Cabling

Description	Typical RG Cables	Cat. No.
Coaxial Cable Stripper, up to 1/8 in. (3.2mm) O.D	RG-174, RG-187	**45-162** (Gray)
Coaxial Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.556mm) O.D.	RG-58, Mini Coax	**45-163** (Blue)
Coaxial Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D.	RG-11, RG-8	**45-164** (Blue)
Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D.	RG-59, UTP Cable	**45-165** (Black)
Replacement Blade Set* for 45-162, 45-163, 45-165	—	**L-9225**
Replacement Blade Set* for 45-164	—	**L-9226**

*A set of blades consists of three straight blades and one round blade.

UTP Cable Stripper



- Strips Cat 3, 5, 5e & 6 cables
- One-step stripping

NEW

Description	Cat. No.
UTP Cable Stripper	**45-167**

Round Cable Slitting and Ringing Tool



- Great for large diameter structured wiring cables
- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.75 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

Description	Cat. No.
Round Cable Slitting and Ringing Tool	**45-144**
Replacement Blades for 45-144 (2/pkg.)	**LB-1748**

Lever™ -Snips Electrician's Scissors with Stripping Notches



- Ergonomic design gives added leverage
- Spring-action, mechanical advantage increases stripping leverage and reduces operator fatigue
- Double plated for added rust protection
- Extra-deep serrations grip wire better

Description	Cat. No.
Electrician's Scissors with Stripping Notches	**35-087**

Electrician's Scissors



35-088

35-089

- Designed for use in telephone and electrical service applications
- Cut up to 16 AWG solid and 12 AWG stranded wire
- Serrated surface on back blade edge cleans wire
- Electrician's Scissors with stripping notches strip 19 and 23 AWG wire

Description	Cat. No.
Electrician's Scissors w/stripping notches	**35-088**
Electrician's Scissors	**35-089**

Cable Splicing Kit



35-093

Description	Cat. No.
Cable Splicing Kit (Scissors, Splicing Knife, Leather Holder)	**35-093**
Scissors and Knife Holder (Leather)	**35-094**

Cable Splicing Knife



- High carbon steel blade remains sharp and cuts easily through many insulation types
- Comfortable, full size, no slip handle for easy use

35-091

Description	Cat. No.
Cable Splicing Knife and Leather Holder	**35-091**
Knife Holder (Leather)	**35-092**

Ratchet Telemaster™



- For paired conductors
- Ratchet version of popular Telemaster™ Tool for RJ-45 and RJ-11 modular plugs
- Repeatable crimp action for consistent, high quality connections

Description	Cat. No.
Ratchet Telemaster™	30-696

Telemaster™ Telephone Tools



- For paired conductors
- Multi-function telephone tool cuts, strips and crimps for easy one-tool application
- Steel frame for long-term durability. (Crimps primary modular plug strain relief only)

Description	Kit Cat. No.	Tool Only Cat. No.
Tool for RJ-11 (1, 2, 3 pair) and RJ-45 (4 pair) Plugs	33-700*	30-496
Tool for RJ-45 (4 pair) & DECconnect MMJ (RJ-11, 3 pair)	N/A	30-497
Tool for RJ-11 (1, 2, 3 pair) & DECconnect MMJ (RJ-11, 3 pair)	N/A	30-498
Tool for RJ-22 (handset) and RJ-11 (1, 2, 3 pair)	N/A	30-499
Replacement Cut and Strip Blade Set for Telemaster™	N/A	LB-1747

*Kit includes 10 each, RJ-45 8P8C, RJ-11 6P6C and RJ-45 6P4C plugs.

Modular Plug Tool Kit



- Multi-function telephone/ network tool; cuts, strips and crimps
- Steel frame construction for durability
- Interchangeable dies allow for crimping RJ-45 and RJ-11 modular plugs
- Tool-less die change for added convenience
- Spring return handle for comfort

Description	Cat. No.
Modular Plug Tool Kit*	33-296

*Kit includes 10 each, RJ-45 8P8C and RJ-11 6P6C plugs.

D-Sub/Double-D Service Tool

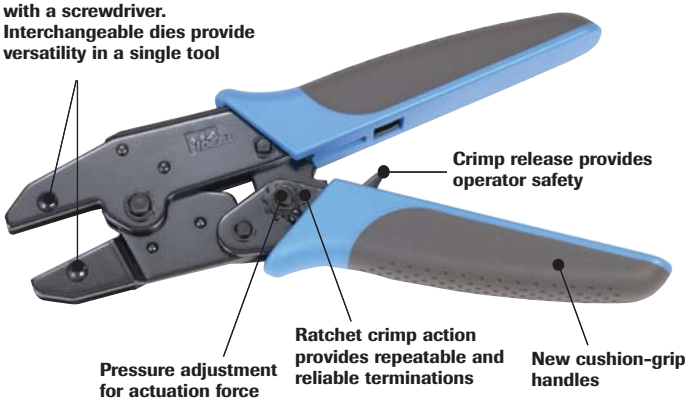
Exact replacement of the AMP open-barrel service tool for stamped contacts and D-Sub contacts. Also crimps Double-D, high density, miniature contacts. Includes openings for crimping insulated terminals and cutters for machine screws.



Description	Cat. No.
D-Sub/Double-D Service Tool	30-426

Crimpmaster™ Crimp Tools & Die Sets

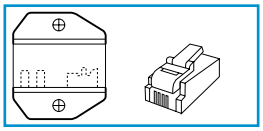
Dies change quickly and easily with a screwdriver. Interchangeable dies provide versatility in a single tool



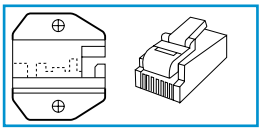
Description	Tool Cat. No.	Replacement Die Set Cat. No.
Crimpmaster™ Crimp Tool Frame	30-506	—
RJ-45 Eight-position Crimp Tool for AMP RJ-45 modular plugs	30-521	30-560
RJ-45 Eight-position Crimp Tool for keyed or non-keyed modular plugs	30-522	30-559
RJ-11 Crimp Tool for two, four or six-position modular plugs	—	30-556

Modular Plug Replacement Die Sets For Crimpmaster™ 30-506 Frame

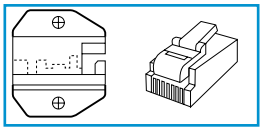
30-556
Crimpmaster™ RJ-11 die set for two, four or six-position modular plugs



30-559
Crimpmaster™ RJ-45 eight-position die set for keyed or non-keyed modular plugs (excluding AMP).
Tool w/die 30-522



30-560
Crimpmaster™ RJ-45 AMP die set for eight-position modular plugs. Primary strain relief crimp bar is located further back on die/modular plugs.
Tool w/die 30-521



Punch Down Tools



35-485



35-492



35-185

MADE IN THE USA **

Impact Turn-Lock™ Punch Down Tools	Cat. No.
Punchmaster™ II Punch Down Tool - body only	35-483
Punchmaster™ II Punch Down Tool w/110 blade	35-485
Punchmaster™ II Punch Down Tool w/66 blade	35-487
Non-Impact Turn-Lock™ Punch Down Tools	**Cat. No.**
Punch Down Tool - body only	35-491
Punch Down Tool w/110 blade	35-492
Punch Down Tool w/66 blade	35-493
Economy Punch Down Tool	**Cat. No.**
Non-impact Tool w/permanent non-cut blade**	35-185
Removable Blades*	**Cat. No.**
110 Turn-Lock™ blade	35-495
66 Turn-Lock blade	35-497
110/66 combo blade w/cutting edges	35-407
Krone® blade	35-478
Bix® blade	35-479

*Not applicable for Economy Punch Down tool.
**35-185 is made in Taiwan.
Bix® is a registered trademark of Nortel. Krone® is a registered trademark of Krone, Inc.



35-495
110 Blade



35-497
66 Blade



35-407
110/66 Blade



35-478
Krone® Blade



35-479
Bix® Blade

Economy Data and CATV Kit



Kit 33-915 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
Economy Coax Stripper	1	45-320
Economy UTP Stripper	1	45-167
Non-Impact Turn-Lock™ Tool w/110 Blade	1	35-492
Telemaster™ Telephone Tool	1	30-496
Economy Compression Tool	1	30-633
Mechanics Bag	1	35-535

Basic Data and Video Kit



Kit 33-916 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
UTP Stripper	1	45-165
Stripmaster® Wire Stripper for RG-6	1	45-262
Punchmaster™ II Punch Down Tool w/110 Blade	1	35-485
OmniSeal™ Pro XL Compression Tool	1	30-793
TRACETone™ Tone Generator & Amplifier Probe	1	62-140
VDV Multimedia Cable Tester	1	33-856
Journeyman Electrician's Tote™	1	35-462

Data/Video Kit



Kit 33-917 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Twist-a-Nut™ 7-in-1 Screwdriver	1	**35-908**
UTP Stripper	1	**45-165**
Coax Stripper w/Replaceable Cartridge	1	**45-526**
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
110/66 Blade Combo Punch Down Blade	1	**35-407**
Crimpmaster™ Crimp Tool for RJ-45 Modular Plugs	1	**30-522**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Probe Pic and Spudger	1	**35-473**
Coax Connector Tool - F & BNC	1	**35-046**
VDV MultiMedia Cable Tester	1	**33-856**
Amplifier Probe	1	**62-164**
Electrician's Scissors w/Stripping Notch	1	**35-088**
Large Mouth Bag — 13 in.	1	**35-410**

RJ-45/11 Two, Four, Six and Eight-Position Combination TelCom Termination Kit



Kit 33-704 Includes:

Description	Qty.	Cat. No.
Telemaster™ for RJ-11/RJ-45 Plugs	1	**30-496**
4-Position, RJ-11 Stranded Modular Plugs	15	**85-351**
6-Position, RJ-11 Stranded Modular Plugs	15	**85-352**
8-Position, RJ-45 Stranded Modular Plugs	15	**85-353**

Economy 10Base-T Kit



Kit 33-750 Includes:

Description	Qty.	Cat. No.
UTP/Coax Stripper	1	**45-165**
Telemaster™ RJ-11/RJ-45 Crimp Tool	1	**30-496**
8-Position RJ-45 Non-keyed Solid Plugs	50	**85-346**

Crimpmaster™ Twisted Pair Kit



Kit 33-651 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
UTP/Coax Stripper	1	**45-165**
Crimpmaster™ Frame Only	1	**30-506**
2,4,6-Position Die Set for RJ-11 Plugs	1	**30-556**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
8-Position Die Set for RJ-45, AMP Plugs	1	**30-560**
4-Position Solid Modular Plugs	50	**85-394**
8-Position RJ-45 Non-Keyed Solid Modular Plugs	50	**85-396**

Crimpmaster™ 10Base-T RJ-45 Crimping Kit



Kit 33-652 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
UTP/Coax Stripper	1	**45-165**
Crimpmaster™ Crimp Tool Frame only	1	**30-506**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
8-Position RJ-45 Non-Keyed Solid Plugs	200	**86-396**

Cable Service Kit



Kit 33-605 Includes:

Description	Qty.	Cat. No.
Punchmaster™ Punch Down Tool w/110 Blade	1	35-485
66 Blade Only	1	35-497
Electrician's Scissors w/Stripping Notches	1	35-088
UTP/STP Stripper	1	45-165
7-in-1 Twist-a-Nut™ Screwdriver	1	35-908
Probe Pic & Spudger	1	35-473
Tone Generator	1	62-160
Amplifier Probe	1	62-164
Journeyman's Electrician's Tote™	1	35-462

Deluxe Cable Service Kit



Kit 33-705 Includes:

Description	Qty.	Cat. No.
Punchmaster™ II Punch Down Tool w/110 Blade	1	35-485
66 Blade Only	1	35-497
Electrician's Scissors w/Stripping Notches	1	35-088
UTP/STP Stripper	1	45-165
7-in-1 Twist-a-Nut™ Screwdriver	1	35-908
Probe Pic & Spudger	1	35-473
Tone Generator	1	62-160
Amplifier Probe	1	62-164
Journeyman's Electrician's Tote™	1	35-462
Telemaster™ Telphone Tool, RJ-11/RJ-45	1	30-496
LinkMaster™ Tester and Remote	1	62-200

Cable Service/Termination Kit



Kit 33-861 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
Center Conductor Cutter	1	35-060
UTP/Coax Stripper	1	45-165
Coax Stripper w/black cassette	1	45-520
Crimpmaster™ RG-58/59 Crimp Tool	1	30-502
2, 4, 6-Position Die Set for RJ-11 Plugs	1	30-556
8-Position Die Set for RJ-45 Plugs	1	30-559
Punchmaster™ II Punch Down Tool w/66 Blade	1	35-487
Punchmaster™ II 110 Blade only	1	35-495
ABS™ Signal Thrower™	1	62-184
ABS™ Tester	1	62-180
LinkMaster™ Tester w/Remote	1	62-200
Cable Assemblies	1	K-7921

Twisted Pair/Coax Termination Kit



Kit 33-869 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
Scissors w/Stripping Notch	1	35-088
Center Conductor Cutter	1	35-060
UTP/Coax Stripper	1	45-165
Coax Stripper w/Black Cassette	1	45-520
Crimpmaster™ Frame Only	1	30-506
2,4,6-Position Die Set for RJ-11 Plugs	1	30-556
8-Position Die Set for RJ-45 Plugs	1	30-559
RG-58/59/62 BNC Die Set	1	30-581
Punchmaster™ II w/110 Blade	1	35-485
Punchmaster™ II 66 Blade Only	1	35-497
ABS™ Signal Thrower™	1	62-184
ABS™ Tester	1	62-180
ZipKit™ Carrying Case	1	35-419

Technician's Service Kit



Now includes 7-in-1 Screwdriver

Kit 33-505 Includes:

Description	Qty.	Cat. No.
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
Punchmaster™ II 66 Blade only	1	**35-497**
Electrician's Scissors w/stripping notches	1	**35-088**
UTP/STP Stripper	1	**45-165**
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	**35-908**
Probe Pick and Spudger	1	**35-473**
Nylon case	1	**62-205**

Installer's Kit



Kit 33-935 Includes:

Description	Qty.	Cat. No.
UTP/STP Stripper	1	**45-165**
Data T®-Cutter	1	**45-074**
Jab Saw	1	**35-275**
Large Mouth Bag – 18 in.	1	**35-427**
Punchmaster™ II 110 Blade only	1	**35-485**
110/66 Blade	1	**35-407**
Electrician's Scissors w/stripping notches	1	**35-088**
Torpedo Level	1	**35-205**
Mag-Tape™ Tape Measure	1	**35-238**
Tongue & Groove Pliers – 10 in.	1	**35-430**
5-in-1 Screwdriver/Nutdriver	1	**35-905**
Probe Pic and Spudger	1	**35-473**
Cable Cutter	1	**35-061**
Hammer – 18 oz. x 12-1/2 in.	1	**35-210**

Pro Installer's Kit



Kit 33-945 Includes:

Description	Qty.	Cat. No.
Large Mouth Bag – 18 in.	1	**35-427**
110/66 Blade	1	**35-407**
66 Blade only	1	**35-497**
Punchmaster™ II 110 Blade only	1	**35-485**
Lever™-Snips Electrician's Scissors	1	**35-087**
Probe Pic and Spudger	1	**35-473**
UTP/STP Stripper	1	**45-165**
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	**35-908**
Mag-Tape™ Tape Measure	1	**35-238**
Torpedo Level	1	**35-205**
Jab Saw	1	**35-275**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Coax Stripper - 2-Step	1	**45-526**
Smart-Grip™ Long-Nose Pliers – 7-3/4 in.	1	**35-3037**
Smart-Grip™ Tongue & Groove Pliers – 10 in.	1	**35-3430**
Tongue & Groove Pliers – 9-1/2 in.	1	**35-420**
Tone Generator	1	**62-160**
Amplifier Probe	1	**62-164**
Data T®-Cutter	1	**45-074**
Cable Splicing Knife w/holder	1	**35-091**
Ratchet Telemaster™, RJ-11/RJ-45	1	**30-696**
F-Connector Tool	1	**35-046**

Wall Plates


85-205


85-220


85-218


85-239


85-237


85-232

Telephone Wall Plates are listed and approved by the Underwriter's Laboratories and contain 50 micro inches of gold plating on the contacts.

Telephone Wall Plates - Standard Size (2-3/4 in. x 4-1/5 in.)

Description	Color	Qty.	Cat. No.
RJ-11, 2 Pair	Ivory	Card of 1	85-206
		Box of 100	86-206
	White	Card of 1	85-207
		Box of 100	86-207
	Almond	Card of 1	85-223
		Box of 100	86-223
Dual RJ-11, 2 Pair	Ivory	Card of 1	85-208
		Box of 100	86-208
	White	Card of 1	85-209
		Box of 100	86-209
RJ-11, 3 Pair	Almond	Card of 1	85-225
		Box of 100	86-225
Dual RJ-11, 3 Pair	Ivory	Card of 1	85-212
		Box of 100	86-212
	White	Card of 1	85-213
		Box of 100	86-213
RJ-45, 4 Pair	Ivory	Card of 1	85-214
		Box of 100	86-214
	White	Card of 1	85-215
		Box of 100	86-215
	Almond	Card of 1	85-227
		Box of 100	86-227
Dual RJ-45, 4 Pair	White	Card of 1	85-217
		Box of 100	86-217
RJ-11, 2 Pair Wall Mount Plate	Ivory	Card of 1	85-218
		Box of 100	86-218
	White	Card of 1	85-219
		Box of 100	86-219
	Almond	Card of 1	85-229
		Box of 100	86-229
CATV Coax	Ivory	Card of 1	85-200
		Box of 100	86-200
	White	Card of 1	85-201
		Box of 100	86-201
	Almond	Card of 1	85-220
		Box of 100	86-220
Dual CATV/Coax	Ivory	Box of 100	86-202
	White	Box of 100	86-203
Combo CATV/RJ-11	Ivory	Card of 1	85-204
		Box of 100	86-204
	White	Card of 1	85-205
		Box of 100	86-205
	Almond	Card of 1	85-222
		Box of 100	86-222

Telephone Wall Plates — Mid-Size (3-1/8 in. x 4-7/8 in.)

Description	Color	Qty.	Cat. No.
RJ-11, 2 Pair	Ivory	Card of 1	85-242
		Box of 100	86-242
	White	Card of 1	85-237
		Box of 100	86-237
	Almond	Card of 1	85-233
		Box of 100	86-233
Combo CATV/RJ11	Ivory	Card of 1	85-241
		Box of 100	86-241
	White	Card of 1	85-236
		Box of 100	86-236
	Almond	Card of 1	85-232
		Box of 100	86-232
CATV Coax	Ivory	Card of 1	85-239
		Box of 100	86-239
	White	Card of 1	85-234
		Box of 100	86-234
	Almond	Card of 1	85-230
		Box of 100	86-230
Dual CATV Coax	White	Box of 100	86-235

Surface Jacks







For initial installations where cable cannot be pulled through wall or for replacement of modular four-prong jacks.

Description	Color	Qty.	Cat. No.
RJ-11, 2 Pair	White	Card of 1	85-244
RJ-11, 2 Pair	Ivory	Card of 1	85-245
RJ-11, 2 Pair	Almond	Card of 1	85-246

Cables



85-770



85-780

- Customizable bulk cable
- Bulk CAT 5e solid 4-pair, CMR rated, 24 AWG, 350 MHz cable
- Bulk 2-conductor in-wall, 16 AWG speaker wire

Description	Cat. No.
CAT 5e Cable - 100 ft.	**85-780**
In-wall Speaker Wire - 50 ft.	**85-770**

Insulation Displacement Connectors (IDC)



85-900 85-925



85-950



45-719

IDC connectors create fast splice and tap connections on solid copper wires. Designed for low voltage telecommunication cables.

- Moisture-resistant sealant protects wires from corrosion
- Use with solid copper single-conductor wire
- Kinetic Super™ Wire Stripper/Crimper easily cuts and strips 22 to 24 AWG solid wire

Description	Qty.	Cat. No.
UB-I, 2-Wire Tap Splice IDC	25	**85-900**
UR-I, 3-Wire Butt Splice IDC	25	**85-925**
UY-I, 2-Wire Butt Splice IDC	25	**85-950**
UR-I, 2-Wire Butt Splice IDC	100	**86-925**
UY-I, 2-Wire Butt Splice IDC	100	**86-950**
UB-I, 2-Wire Tap Splice IDC	1,000	**87-900**
UR-I, 3-Wire Butt Splice IDC	1,000	**87-925**
UY-I, 2-Wire Butt Splice IDC	1,000	**87-950**
IDC Combo Pack	25	**85-960**
Kinetic Super™ Wire Stripper/Crimper	1	**45-719**

CAT 6 Modular Plugs



- Supports CAT 6
- Unique three-piece design provides easy installation and optimal performance
- Crimps with a standard RJ-45 crimp die
- 50 micron gold contacts, 8-position, 8-contact
- Suitable for solid or stranded conductors

Description	Qty.	Cat. No.
CAT 6 Modular Plugs	25	**85-366**

Modular Plugs



85-403 85-396 85-394

- All plugs comply with FCC 68 guidelines and are UL Listed
- Plugs are capable of supporting the latest EIA/TIA cable system performance categories when installed in compliance with appropriate EIA/TIA standards and methods
- Plugs offered for round cable with solid conductors and for flat cable and stranded conductors
- Position and contact configurations cover popular styles

Description	Qty.	Cat. No.
6-Position 4-Contact Flat Stranded	25	**85-351**
	50	**85-401**
	100	**86-401**
6-Position 6-Contact Flat Stranded	25	**85-352**
	50	**85-402**
	100	**86-402**
4-Position 4-Contact Flat Stranded (Handset)	100	**86-398**
8-Position 8-Contact Flat Stranded	25	**85-353**
	50	**85-403**
	100	**86-403**
6-Position 4-Contact Round Solid	25	**85-344**
	50	**85-394**
	100	**86-394**
6-Position 6-Contact Round Solid	100	**86-395**
8-Position 8-Contact CAT 6 Modular Plug	25	**85-366**
8-Position 8-Contact Round Solid	25	**85-346**
	50	**85-396**
	100	**86-396**











Coaxial Selection Chart

Compression Style



Cable	Cutter	Stripper	Crimper	Connector	Tester
CATV/SATV/F-type					
RG-59	45-074, 45-075	45-265, 45-603, 45-320	30-603, 30-793, 30-703, 30-720, 30-633	89-054, 89-104, 89-059, 89-159	33-856, 33-880 33-881, 33-887*
RG-6	45-074, 45-075	45-262, 45-603, 45-320	30-603, 30-793, 30-703, 30-720, 30-633	89-055, 89-105,89-060, 89-160	
RG-6 Quad Shield	45-074, 45-075	45-282, 45-603, 45-320	30-603, 30-793, 30-703, 30-720, 30-633	89-056, 89-106, 89-060, 89-160	
RG-6 & Quad 6 Plenum	45-074, 45-075	45-510	30-603, 30-793, 30-703, 30-720, 30-633	89-060P, 89-160P	
RG-11	45-074, 45-075	45-164, 45-510	30-603, 30-793, 30-720	89-011	
Minis	45-074, 45-075	45-529	30-603, 30-793, 30-703	89-014SM, 89-014SMRCA	
BNC					
RG-59	45-074, 45-075	45-265, 45-603, 45-320	30-603, 30-793, 30-703	89-058, 89-5058	
RG-6	45-074, 45-075	45-265, 45-603, 45-320	30-603, 30-793, 30-703	89-057, 89-5057	

Crimp Style



Cable	Cutter	Stripper	Crimper	Connector	Tester
CATV/SATV/F-Type					
RG-59	45-074, 45-075	45-265, 45-603, 45-320	30-503	85-036, 85-016	33-856, 33-880 33-881, 33-887*
RG-6	45-074, 45-075	45-265, 45-603, 45-320	30-503	85-037, 85-017, 86-017	
RG-6 Quad Shield	45-074, 45-075	45-282, 45-603, 45-320	30-503	85-057, 85-030, 86-030	
RG-6 Plenum	45-074, 45-075	45-282, 45-603	30-503	N/A	
RG-11	45-074, 45-075	45-164, 45-510	N/A	N/A	
BNC					
RG-59, Non-Plenum	45-074, 45-075	45-520	30-502, 30-483	85-513, 85-517, 85-502	
RG-6 Non-Plenum	45-074, 45-075	45-520	30-483	85-545	

*Need LA-4173 adapter.

Data T®-Cutter



Cuts round communication cable and maintains cable geometry for better cable performance. Data T®-Cutter cuts multi-pair cable up to .500 in. (12.7 mm) and coaxial cable up to RG-9/U. Blade cutting capabilities suitable for soft cables (not ACSR).

- Steel reinforced center conductors can be trimmed with bolt cutting holes
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch

Description	Cat. No.
Data T®-Cutter	45-074
Data T®-Cutter II	45-075

Center Conductor Cutter

Trims coax center conductor to 3/16 in. (4.8 mm) length for proper installation into a dual crimp coax connector.



Description	Cat. No.
Center Conductor Cutter	35-060

Economy Coax Cable Stripper

- For RG-6, RG-6 Quad and RG-59
- No adjustment required
- Strips center conductor & cable jacket



Description	Cat. No.
Coax Cable Stripper	45-320
Coax Connector Kit w/four RG-6 Push-On F-Connectors	33-320

Toggle® Coax Strippers

- Toggle® Tools for stripping Ethernet, Thinnet, RG-62 or RG-59 coax cable and other cable sizes



Description	Cat. No.
Coax Stripper for RG-8/11U	45-510
Coax Stripper for RG-6	45-513

Mini Coax Stripper

- Adjustable stripper for mini coax cable



NEW

Description	Cat. No.
Mini Coax Stripper	45-529

Coax/UTP Cable Stripper



NEW

- Features a primary and secondary active strip cartridge
- Strips UTP, RG-59, RG-6 Quad and RG-6 coax cable
- Rotates easily around finger
- Push-on ring for easy connector termination

Description	Cat. No.
Coax/UTP Cable Stripper	45-603
RG-6/6Q/59 Replacement Cartridge	LB-2726
UTP Replacement Cartridge	LB-2727

Coax Stripmaster® Wire Strippers



- Speeds 2-step cable stripping
- Spring-action operation grips and strips in one motion
- Knife-type blades feature multiple hole diameters sized for two step removal of outer jacket insulation and center conductor

Description	Coax Cable Type (RGU)	Repl. Blade Cat. No.	Cat. No.
Coax Stripmaster® for RG-6	RG-6	LB-740	45-262
Coax Stripmaster® for RG-59	RG-59	LB-743	45-265
Coax Stripmaster® for RG-6 Quad Shield	RG-6 Quad Shield	LA-3953	45-282

Round Cable Slitting and Ringing Tool



- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.75 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

Description	Cat. No.
Round Cable Slitting and Ringing Tool	45-144
Replacement Blades for 45-144 (2/pkg.)	LB-1748

Coax Strippers

- Specific adjustments needed for each cable size



Description	Replacement Cassette	Cat. No.
Coax Stripper - 3 Step • For crimp BNC and TNC conn. • Strips braid 0.240 in. or 6mm and Dielectric 0.240 in. or 6mm	45-522 (Black)	45-520
Coax Stripper - 3 Step • For dual crimp BNC/TNC and Thinnet BNC conn. • For 735A Belden® cable • Strips braid 0.328 in. or 8.2mm and dielectric 0.109 in. or 2.7mm	45-523 (Brown)	45-521
Coax Stripper - 2 Step • For F-Type, many single crimp BNC/TNC's, Twist-on BNC/TNC's, Twinax and UHF conn. • Strips 0.250 in. or 6.35mm	45-524 (Blue)	45-526

UTP/STP/Coaxial Cable Strippers

- Adjustable blades can be set for any depth to help ensure nick-free strips



Works Great on CAT 5 Cabling

Description	Typical RG Cables	Cat. No.
Coaxial Cable Stripper, up to 1/8 in. (3.2mm) O.D	RG-174, RG-187	**45-162** (Gray)
Coaxial Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.556mm) O.D.	RG-58 Mini Coax	**45-163** (Blue)
Coaxial Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D.	RG-11, RG-8	**45-164** (Blue)
Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D.	RG-59, UTP Cable	**45-165** (Black)
Replacement Blade Set* for 45-162, 45-163, 45-165	—	**L-9225**
Replacement Blade Set* for 45-164	—	**L-9226**

*A set of blades consists of three straight blades and one round blade.

Coax Strip and Crimp Tool



- Precision, form-ground stripping holes remove outer jacket and insulation from RG-59 and RG-6 coaxial cable
- Durable blades cut copper-coated steel conductors
- Three crimping nests for crimping F-connectors and ring terminals
- Cushioned, comfort-grip handles

Description	Cat. No.
Coax Strip & Crimp Tool	**30-433**
Coax Strip & Crimp Tool Kit w/ten RG-6 F-Connectors	**30-433F**

4-Way Indent Crimp Tools

Crimp solid barrel contacts for RS232 interface connectors. Feature four-way indent dies (per MS22520 specifications), full cycle ratchet, built-in pin and socket locator and comfort-grip handles.



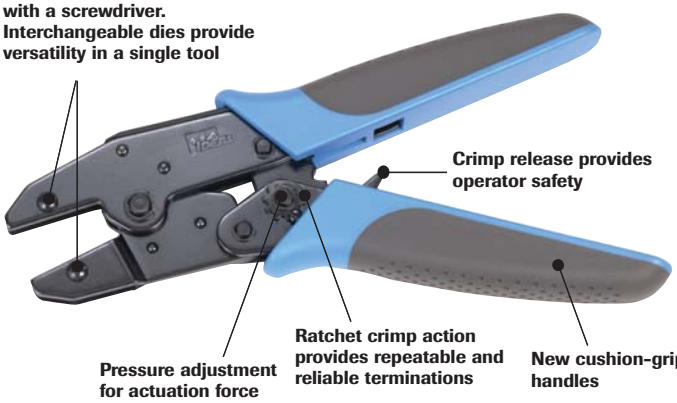
35-465

- High-grade steel construction for outstanding performance

Description	Cat. No.
20-26 AWG (.519 mm² - .128 mm²) RS232 D-sub Round Barrel Contacts, Pins or Sockets	**35-465**
16-22 AWG (1.31 mm² - .324 mm²) Round Barrel Contacts, Pins, Sockets and Deutsch 16 Pin Contacts	**35-466**
Trompeter BNC Connector Center Pins	**35-468**

Crimpmaster™ Crimp Tool Replacement Die Sets

Dies change quickly and easily with a screwdriver. Interchangeable dies provide versatility in a single tool



Crimp release provides operator safety

Pressure adjustment for actuation force

Ratchet crimp action provides repeatable and reliable terminations

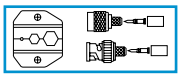
New cushion-grip handles

Coaxial Termination

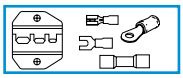
Description	Tool Cat. No.	Replacement Die Set Cat. No.
22-10 AWG (.324mm² - 5.261mm²) fully insulated slide-on connectors	—	**30-594**
Insulated Terminal Crimp Tool with built-in locator	**30-479**	—
22-12 AWG (.324mm² - 3.31mm²) Non-insulated open barrel crimp style connectors	—	**30-586**
RG-58, 59, 62 Non-plenum Cambridge BNC/TNC connectors	**30-481**	**30-573**
RG-8/11, RG-213, RG-216 Ethernet Thickwire, N-Series type plugs and jacks	**30-482**	**30-577**
RG-9, Belden® 8281® and RG-6 Cable, 50 & 75 Ohm	**30-483**	**30-578**
RG-58 and RG-174 cable for 50 and 75 Ohm cables	—	**30-587**
RG-174 Mini-59 Hex BNC/TNC coax connector	**30-485**	**30-576**
RG-58 and RG-59 Plenum cables, Thinwire PVC Hex	—	**30-591**
16-26 AWG (1.31mm² - 1.28mm²) Miniature insulated rings and splices	—	**30-572**
22-10 AWG (.324mm² - 5.261mm²) Insulated ring tongue terminals and splices	**30-500**	**30-579**
22-8 AWG (.3mm² - 8mm²) Non-insulated terminals and splices	—	**30-580**
RG-58 RG-59/62AU BNC/TNC 3-Piece Hex type connectors	**30-502**	**30-581**
CATV RG-59 and RG-6 Captive Ring F-connectors	**30-503**	**30-582**
RG-6, RG-174, Belden-Type RG-8281 cables	—	**30-570**
Mini UHF and BNC/TNC 5 cavity	—	**30-593**
30-18 AWG, Open barrel pins and sockets	—	**30-599**

Crimpmaster™ Crimp Tool Replacement Die Sets

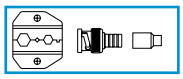
30-570 (Tool w/die N/A)
RG-6, RG-174, Belden-Type RG-8281 cables, Hex. 0.324 (8.23 mm), 0.178 (4.52 mm), 0.068 (1.73 mm)



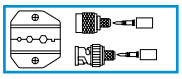
30-572 (Tool w/die N/A)
16-26 AWG (1.31 mm^2 - .128 mm^2) miniature insulated rings, spade and butt splices



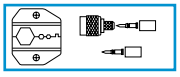
30-573 (Tool w/die 30-481)
Cambridge CP-88, CP-89 BNC/TNC coax connectors with RG-58, RG-59/62 AU cables (Hex 0.305 (7.75 mm), 0.068 (1.73 mm), 0.228 (5.79 mm)



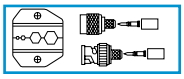
30-576 (Tool w/die 30-485)
RG-174, Mini 59 BNC/TNC Connectors, Hex. 0.178 (4.52 mm), 0.128 (3.25 mm), 0.068 (1.73 mm)



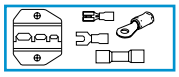
30-577 (Tool w/die 30-482)
N-Series and RG-8/11 Connectors, Hex. 0.429 (10.90 mm), 0.100 (2.54 mm), 0.080 (2.03 mm)



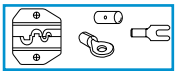
30-578 (Tool w/die 30-483)
RG-59, RG-6, and 8281 50 and 75 OHM cables (Hex, 0.324 (8.23 mm), 0.255 (6.48 mm), 0.068 (1.73 mm), 0.042 (1.07 mm)



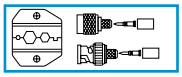
30-579 (Tool w/die 30-500)
22-10 AWG (.324 mm^2 - 5.261 mm^2) insulated terminals/ color coded nests



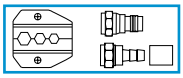
30-580 (Tool w/die N/A)
22-8 AWG (.3 mm^2 - 8 mm^2) non-insulated terminals



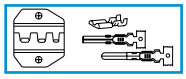
30-581 (Tool w/die 30-502)
RG-58, RG-59/62, BNC/TNC Coax Connectors, Hex, 0.255 (6.48 mm), 0.213 (5.41 mm), 0.068 (1.73 mm)



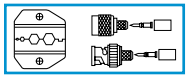
30-582 (Tool w/die 30-503)
F-type CATV RG-59, RG-6 Connectors, Hex. 0.350 (8.89 mm), 0.320 (8.13 mm), 0.255 6.48 mm)



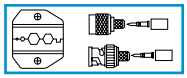
30-586 (Tool w/die N/A)
22-12 AWG (.324 mm^2 - 3.31 mm^2) Non Insulated Open Barrel Connectors, Commercial Type



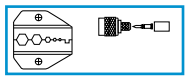
30-587 (Tool w/die N/A)
RG-58, RG-174 and RG-8218 for both 50 and 75 ohm cables (Hex 0.213 (5.41 mm), 0.178 (4.52 mm), 0.068 (1.73 mm), 0.042 (1.07 mm)



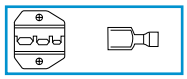
30-591 (Tool w/die N/A)
Plenum and Non-Plenum Thinwire Cables RG-58 and 59 (Hex, 0.213 (5.41 mm), 0.190 (4.83 mm), 0.068 (1.73 mm), 0.042 (1.07 mm)



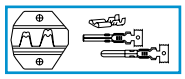
30-593 (Tool w/die N/A)
Mini UHF and BNC/TNC 5 cavity, Hex. 0.052 (1.32 mm), 0.068 (1.73 mm), 0.100 (2.54 mm), 0.213 (5.41 mm), 0.255 (6.48 mm)



30-594 (Tool w/die N/A)
Fully Insulated quick disconnect terminals with thinner wire barrels 22-10 AWG (.324 mm^2 - 5.261 mm^2)



30-599 (Tool w/die N/A)
30-18 AWG (.205 mm^2 - 2.08 mm^2) Open Barrel Pins and Sockets



F-Series Coaxial Crimp Connectors

F-Series Connectors utilize threaded couplings and cable conductors as contacts for CATV and other UHF applications.

	Description	Qty.	Cat. No.
	F-Series, Twist-on Plug, RG-59	Card of 4	**84-018**
		Card of 10	**85-035**
	F-Series, Crimp Plug, RG-59	Card of 4	**84-016**
		Card of 10	**85-036**
		Card of 50	**85-016**
	F-Series, Crimp Plug, RG-6	Card of 4	**84-017**
		Card of 10	**85-037**
		Card of 50	**85-017**
		Box of 100	**86-017**
	F-Series, Crimp Plug, RG-6, Quad Shield	Card of 4	**84-030**
		Card of 10	**85-057**
		Card of 50	**85-030**
		Box of 100	**86-030**
	F-Series, Female Adapter	Card of 10	**85-031**
	F-Series, Terminator	Card of 10	**85-038**
	F-Type, Twist-on RG-6	Card of 4	**84-039**
		Card of 10	**85-053**
		Card of 50	**85-039**
		Box of 100	**86-039**

OmniSeal™ Pro Compression Tools

NEW

The new IDEAL OmniSeal™ Compression Tools now offer additional features and increased connector compatibility in a smaller, more compact tool designed to meet the demands of the professional installer. OmniSeal requires no calibration or accessory attachment to terminate IDEAL branded compression connectors. Most other manufacturers compression connectors can be terminated with an easy plunger depth adjustment. The simple intuitive design combined with its size and universal connector acceptance makes this the only compression tool needed by professional installers.

- Factory preset to work with ALL IDEAL compression connectors
- Compress F-type, RCA, BNC and Mini connectors
- Adjustable to fit other manufacturer's connectors – no accessory adapters required
- Connectors approved for use by most satellite and cable TV companies



OmniSeal Pro
30-603



OmniSeal Pro XL
30-793

Description	Qty.	Cat. No.
OmniSeal™ Pro XL Compression Tool	1	**30-793**
OmniSeal™ Pro Compression Tool	1	**30-603**

	BNC	F-Type	RG11	RCA	Mini Coax
OmniSeal™ Pro XL 30-793	✓	✓	✓	✓	✓
OmniSeal™ Pro 30-603		✓	✓	✓	✓



OmniSeal™ Compression Tools

- Lightweight and durable composite material
- High leverage design reduces hand fatigue



Feature	OmniSeal™ XL 30-703	OmniSeal™ 11 30-720
For RG-6 & RG-59 Cables	X	X
Compresses RCA & F-Connectors	X	X
Compresses BNC Connectors	X	—
Works with IDEAL and PPC brand RCA connectors	X	X
For RG-11 cables	—	X

Economy Compression Tool

- Easily compresses series 6 and 59 coax compression F-connectors
- Permanent connection – never comes loose
- Works with most brands of compression connectors



Description	Cat. No.
Economy Compression Tool	**30-633**
Economy Compression Tool Kit - Includes four CMP RG-6 Connectors	**33-633**

Universal Compression Connectors

- Four universal connectors terminate all plenum RG-6, RG-6, RG-59 and RG-11 braid types from 60% through quad shielding
- One connector for all cable types within a given RG series
- Approved by most satellite and cable TV companies
- Approved for indoor/outdoor use



Description	Qty.	Cat. No.
Universal RG-59 Compression Connectors	Jar of 50	**89-059**
	Jar of 100	**89-159**
Universal RG-6 Compression Connectors	Jar of 50	**89-060**
	Jar of 100	**89-160**
Plenum RG-6 Compression Connectors	Jar of 50	**89-060P**
	Jar of 100	**89-160P**
Universal RG-11 Compression Connectors	Clam of 10	**89-011**

CMP Compression Connectors

- Approved for use by most cable TV and satellite companies
- RF signal containment ensures strong signal
- Permanent connections do not pull off or come loose
- One-piece design for quick installation
- Compression port seal provides a water-tight seal for outdoor applications



Description	Qty.	Cat. No.
RG-59 Compression F-Connector	50	**89-054**
RG-59 Compression F-Connector	100	**89-104**
RG-6 Compression F-Connector	4	**89-015**
RG-6 Compression F-Connector	10	**89-035**
RG-6 Compression F-Connector	50	**89-055**
RG-6 Compression F-Connector	100	**89-105**
RG-6 Quad Compression F-Connector	4	**89-016**
RG-6 Quad Compression F-Connector	50	**89-056**
RG-6 Quad Compression F-Connector	100	**89-106**

Compression F-Connector Port Seals

- For use with IDEAL RG-6, RG-6 Quad and RG-59 F-Style compression connectors to make connections water tight



Description	Qty.	Cat. No.
Port Seals	5	**89-026**

BNC Compression Connectors

- Color coded by cable series for easy identification
- Approved for indoor/outdoor use



Description	Qty.	Cat. No.
BNC RG-6 Compression Connector	Clam of 15	**89-057**
BNC RG-6 Compression Connector	Jar of 50	**89-5057**
BNC RG-59 Compression Connector	Clam of 15	**89-058**
BNC RG-59 Compression Connector	Jar of 50	**89-5058**

Mini Compression Connectors

- For use with most 21-25 AWG mini coax cable
- Body is nickel plated for outstanding corrosion resistance
- Mini RCA head is gold plated for superior contact performance
- Bandwidth is 5 MHz - 3 GHz, Impedence is 75 Ohms (nominal), return loss min. -30 dB @ 3 GHz

NEW



F-Connector



RCA Connector

Description	Qty.	Cat. No.
Mini Compression F-Connector	10	**89-014SM**
Mini Compression RCA Connector	10	**89-014SMRCA**

Push-on F-Connectors

- Permanent connection
- No termination tool needed



Description	Qty.	Cat. No.
RG-6 Push-on F-Connectors	4	**85-065**
RG-6Q Push-on F-Connectors	4	**85-066**
RG-59 Push-on F-Connectors	4	**85-067**
RG-6 Push-on F-Connectors	50	**89-165**
Coax Connector Kit w/Economy Coax Stripper & four RG-6 Push-On F-Connectors	—	**33-320**

Coax Connector Tool - F & BNC

- Works on compression and hex connectors
- Makes attaching (and detaching) connector to equipment easier
- Aids in installing CATV connectors on coax cable
- New comfort grip handle



NEW

Description	Cat. No.
Coax Connector Tool - F & BNC — 8 in. overall (3 in. blade)	**35-046**

Cable TV Splitters


85-032


85-033


85-034

Description	Qty.	Cat. No.
CATV Cable Splitter, 5-900 MHz, 2-Way	Card of 1	85-032
	Box of 10	86-432
CATV Cable Splitter, 5-900 MHz, 3-Way	Card of 1	85-033
	Box of 10	86-433
CATV Cable Splitter, 5-900 MHz, 4-Way	Card of 1	85-034
High Performance Cable Splitter, 5MHz-1GHz 2-Way	Card of 1	85-132
	Box of 10	86-132
High Performance Cable Splitter, 5MHz-1GHz 3-Way	Card of 1	85-133
	Box of 10	86-133
High Performance Cable Splitter, 5MHz-1GHz 4-Way	Card of 1	85-134
	Box of 10	86-134

Satellite and Digital TV Splitters

85-332



85-333



85-334



- Designed for easy mounting over cable
- All ports are F female connectors, 75Ω
- Two grounding screws eliminate the need for grounding block
- Includes two mounting screws (Phillips/slotted head)

Description	Qty.	Cat. No.
2-Way, 5MHz - 2.3GHz	1	85-332
3-Way, 5MHz - 2.3GHz	1	85-333
4-Way, 5HMz - 2.3GHz	1	85-334

8-Way Digital Cable Splitter

NEW

- Nickel-plated housing
- High-performance impedance-balanced Printed Circuit Board design
- Bandwidth: 5MHz - 1 GHz Impedance: 75 Ohm
- Over 120 dB of RFI shielding
- Low insertion loss
- Splits signals up to 8 outlets
- Terminators (85-038) needed for all unused ports for optimal performance



Description	Cat. No.
Digital Cable Splitter, 8-Way	85-138

Diplexer, 2.3 GHz

NEW



- Combine or split cable/antenna signals with satellite signals
- High quality PCB design
- Corrosion-resistant sealed construction
- Nickel-plated die-cast zinc housing
- Grounding hole for up to 6 AWG wire

Description	Cat. No.
Diplexer, 2.3 GHz, SATV/TV Combiner Splitter	85-323

Grounding Block



NEW

- Solid zinc alloy, nickel plated and chromate finished
- High performance 360° beryllium copper contact
- Excellent electrical performance 0 - 3,000 MHz
- UL/CSA approved

Description	Cat. No.
2-Port Grounding Block for F-Connectors	85-311

CATV Wall Plates


85-205


85-220


85-239


85-232

Telephone Wall Plates are listed and approved by the Underwriter's Laboratories and contain 50 micro inches of gold plating on the contacts.

Description - Standard Size 2-3/4 in. x 4-1/2 in.	Color	Qty.	Cat. No.
CATV Coax	Ivory	Card of 1	85-200
		Box of 100	86-200
	White	Card of 1	85-201
		Box of 100	86-201
	Almond	Card of 1	85-220
		Box of 100	86-220
Dual CATVCoax	Ivory	Box of 100	86-202
	White	Box of 100	86-203
Combo CATV/RJ-11	Ivory	Card of 1	85-204
		Box of 100	86-204
	White	Card of 1	85-205
		Box of 100	86-205
	Almond	Card of 1	85-222
		Box of 100	86-222
Description - Mid-Size 3-1/8 in. x 4-7/8 in.	**Color**	**Qty.**	**Cat. No.**
Combo CATV/RJ11	Ivory	Card of 1	85-241
		Box of 100	86-241
	White	Card of 1	85-236
		Box of 100	86-236
	Almond	Card of 1	85-232
		Box of 100	86-232
CATV Coax	Ivory	Card of 1	85-239
		Box of 100	86-239
	White	Card of 1	85-234
		Box of 100	86-234
	Almond	Card of 1	85-230
		Box of 100	86-230
Dual CATV Coax	White	Box of 100	86-235

Economy Data and CATV Kit



Kit 33-915 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Economy Coax Stripper	1	**45-320**
Economy UTP Stripper	1	**45-167**
Non-Impact Turn-Lock™ Tool w/110 Blade	1	**35-492**
Telemaster™ Telephone Tool	1	**30-496**
Economy Compression Tool	1	**30-633**
Mechanics Bag	1	**35-535**

Basic Data and Video Kit



Kit 33-916 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
UTP Stripper	1	**45-165**
Stripmaster® Wire Stripper for RG-6	1	**45-262**
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
TRACETone™ Tone Generator & Amplifier Probe	1	**62-140**
VDV Multimedia Cable Tester	1	**33-856**
Journeyman Electrician's Tote™	1	**35-462**

Compression Connector Installation Kit

NEW



Kit 33-623 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Coax Cable Stripper	1	**45-320**
Economy Compression Tool	1	**30-633**
Pouch w/belt clip	1	—

Data/Video Kit



Kit 33-917 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Twist-a-Nut™ 7-in-1 Screwdriver	1	**35-908**
UTP Stripper	1	**45-165**
Coax Stripper w/Replaceable Cartridge	1	**45-526**
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
110/66 Blade Combo Punch Down Blade	1	**35-407**
Crimpmaster™ Crimp Tool for RJ-45 Modular Plugs	1	**30-522**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Probe Pic and Spudger	1	**35-473**
Coax Connector Tool - F & BNC	1	**35-046**
VDV MultiMedia Cable Tester	1	**33-856**
Amplifier Probe	1	**62-164**
Electrician's Scissors w/Stripping Notch	1	**35-088**
Large Mouth Bag — 13 in.	1	**35-410**

Economy CATV Compression Kit



Kit 33-621 Includes:

Description	Qty.	Cat. No.
Economy Compression Tool	1	**30-633**
Data T®-Cutter	1	**45-074**
Economy Coax Stripper	1	**45-320**
Zipper Pouch	1	**35-402**
RG-6 CMP Compression Connectors	4	**89-015**

Crimpmaster™ F-Type (CATV) Connectors Kit



Kit 33-400 Includes:

Description	Qty.	Cat. No.
Crimpmaster™ CATV Crimp Tool	1	**30-503**
F-Connector, Crimp-on RG-59 Plugs	20	**85-016**
F-Connector, Crimp-on RG-6 Plugs	20	**85-017**

Residential Compression Kit



Kit 33-625 Includes:

Description	Qty.	Cat. No.
OmniSeal™ Pro Compression Tool	1	**30-603**
Mechanic's Tool Bag	1	**35-535**
Data T®-Cutter	1	**45-074**
Coax Stripmaster® Wire Stripper for RG-6	1	**45-262**
Stripmaster® RG-6 Quad Shield Repl. Blade	1	**LA-3953**
Universal RG-6 Compression Connectors	50/jar	**89-060**

Economy Compression Kit



Kit 33-620 Includes:

Description	Qty.	Cat. No.
Economy Tool	1	**30-633**
Data T®-Cutter	1	**45-074**
Coax Stripper	1	**45-526**
RG-59 Compression F-Connectors	10	**89-054**
RG-6 Quad Compression F-Connectors	10	**89-056**
RG-6 Compression F-Connectors	20	**89-055**

Service Compression Kit



Kit 33-630 Includes:

Description	Qty.	Cat. No.
Universal RG-6 Compression Connectors	50	**89-060**
Plenum RG-6 Compression Connectors	10	**89-060P**
BNC RG-59 Compression Connectors	10	**89-058**
BNC RG-6 Compression Connectors	10	**89-057**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Compression F-Connector Port Seals	5	**89-026**
Data T®-Cutter	1	**45-074**
Coax Stripmaster® Wire Stripper for RG-6	1	**45-262**
Replacement Blade for 45-262	1	**LA-3953**

Cable Service/Termination Kit



Kit 33-861 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Center Conductor Cutter	1	**35-060**
UTP/Coax Stripper	1	**45-165**
Coax Stripper w/black cassette	1	**45-520**
Crimpmaster™ RG-58/59 Crimp Tool	1	**30-502**
2, 4, 6-Position Die Set for RJ-11 Plugs	1	**30-556**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
Punchmaster™ II Punch Down Tool w/66 Blade	1	**35-487**
Punchmaster™ II 110 Blade only	1	**35-495**
ABS™ Signal Thrower™	1	**62-184**
ABS™ Tester	1	**62-180**
LinkMaster™ Tester w/Remote	1	**62-200**
Cable Assemblies	1	**K-7921**

Twisted Pair/Coax Termination Kit



Kit 33-869 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Scissors w/Stripping Notch	1	**35-088**
Center Conductor Cutter	1	**35-060**
UTP/Coax Stripper	1	**45-165**
Coax Stripper w/Black Cassette	1	**45-520**
Crimpmaster™ Frame Only	1	**30-506**
2, 4, 6-Position Die Set for RJ-11 Plugs	1	**30-556**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
RG-58/59/62 BNC Die Set	1	**30-581**
Punchmaster™ II w/110 Blade	1	**35-485**
Punchmaster™ II 66 Blade Only	1	**35-497**
ABS™ Signal Thrower™	1	**62-184**
ABS™ Tester	1	**62-180**
ZipKit™ Carrying Case	1	**35-419**

RG-6 Push-on Connector Kit



Kit 33-320 Includes:

Description	Qty.	Cat. No.
RG-6 Push-On Connectors	4	**85-065**
2-Step 59 & 6 Series Stripper	1	**45-320**

Pro Installer Kit



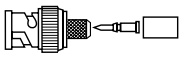
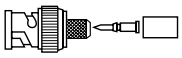
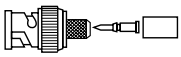
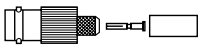
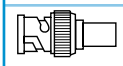
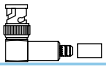
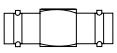
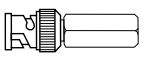
Kit 33-945 Includes:

Description	Qty.	Cat. No.
Large Mouth Bag – 18 in.	1	**35-427**
110/66 Blade	1	**35-407**
66 Blade only	1	**35-497**
Punchmaster™ II 110 Blade only	1	**35-485**
Lever™-Snips Electrician's Scissors	1	**35-087**
Probe Pic and Spudger	1	**35-473**
UTP/STP Stripper	1	**45-165**
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	**35-908**
Mag-Tape™ Tape Measure	1	**35-238**
Torpedo Level	1	**35-205**
Jab Saw	1	**35-275**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Coax Stripper - 2-Step	1	**45-526**
Smart-Grip™ Long-Nose Pliers – 7-3/4 in.	1	**35-3037**
Smart-Grip™ Tongue & Groove Pliers – 10 in.	1	**35-3430**
Tongue & Groove Pliers – 9-1/2 in.	1	**35-420**
Tone Generator	1	**62-160**
Amplifier Probe	1	**62-164**
Data T®-Cutter	1	**45-074**
Cable Splicing Knife	1	**35-091**
Ratchet Telemaster™	1	**30-696**
F-Connector Tool	1	**35-046**

BNC Coaxial Connectors

IDEAL coaxial connectors are available in two grades. A premium specification grade features precision machined brass bodies with nickel plating. The commercial grade consists of machined diecast components with nickel plating. A variety of connectors handle different termination types, cable size, impedance rating and attachment means.

- Connector construction covers both plenum and non-plenum cable jackets
- Captive gold center contacts provide maximum conductivity and minimal resistance
- Nickel plating resists corrosion, tarnish and ensures signal quality
- Meets military specifications. MS39012 and MIL202 where applicable.
- Available in both small and bulk quantities to suit a range of application requirements

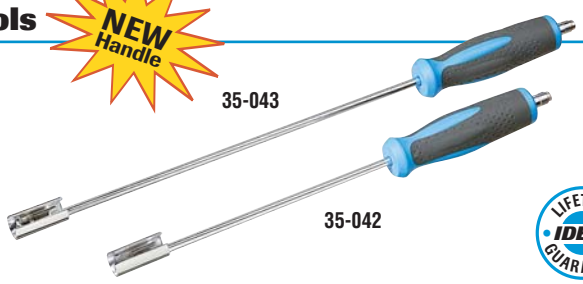
	Connector Type	Cable Type	Center Conductor	Jacket	Connector Impedance	Connector Grade	Insulation	Model	Qty.	Cat. No.
	BNC Plug	RG-58	20 AWG Solid	Non-Plenum	50 Ohm	Commercial	Delrin	IA-3620	Bag of 5	**85-490**
	BNC Plug	RG-58	20 AWG Solid	Non-Plenum	50 Ohm	Specification	Delrin	IA-3621	Bag of 5	**85-491**
	BNC Plug	RG-59	20 AWG Solid	Non-Plenum	75 Ohm	Commercial	Delrin	IA-3617	Bag of 5	**85-502**
									Box of 100	**86-502**
	BNC Plug	RG-59	20 AWG Solid	Plenum	75 Ohm	Commercial	Delrin	IA-3618	Bag of 5	**85-512**
	BNC Plug	RG-59	22-23 AWG Solid	Non-Plenum	75 Ohm	Commercial	Delrin	IA-3624	Bag of 5	**85-513**
	BNC Plug	RG-59	22-23 AWG Solid	Plenum	75 Ohm	Commercial	Delrin	IA-3626	Bag of 5	**85-515**
	BNC Plug	RG-59	22-23 AWG Solid	Non-Plenum	50 Ohm	Specification	Delrin	IA-3592	Bag of 5	**85-517**
	BNC Plug	RG-6	18 AWG Solid	Non-Plenum	75 Ohm	Specification	Delrin	IA-3634	Bag of 5	**85-545**
	BNC Plug	Belden 8281	20 AWG Solid	Non-Plenum	75 Ohm	Specification	Delrin	IA-3636	Bag of 5	**85-550**
	BNC Jack	RG-59	22-23 AWG Solid	Non-Plenum	75 Ohm	Specification	Teflon	IA-3638	Bag of 5	**85-553**
	BNC Terminator	—	—	—	50 Ohm	Specification	Delrin	IA-3641	Bag of 5	**85-556**
	90° BNC Plug	RG-6	18 AWG Solid	Non-Plenum	75 Ohm	Specification	Delrin	IA-3659	Bag of 5	**85-575**
	BNC Tee Adapter	—	BNC Tee Adapter	—	50 Ohm	Commercial	Delrin	IA-3667	Bag of 5	**85-588**
	BNC Adapter		Jack to Jack		50 Ohm	Specification	Delrin	IA-3668	Bag of 5	**85-590**
	BNC Twist-on Plug	RG-59	22-23 AWG Solid	Non-Plenum	50 Ohm	Commercial	Delrin	IA-3677	Bag of 5	**85-480**

BNC/TNC & F-Series Connector Removal Tools

NEW Handle

- BNC/TNC connector removal tools for easy access to high density locations of connectors.

Description	Cat. No.
12 in. (30.5 cm) Overall Length, 8 in. (20.3 cm) Blade Length	**35-042**
16 in. (40.6 cm) Overall Length, 12 in. (30.4 cm) Blade Length	**35-043**





Fiber Optic Products

Simplex/Duplex 3mm Jacket Stripper



- Designed to remove the jacket from 3mm Simplex or Duplex (zip cord) fiber optic cable
- Form-ground, knife-type blades for accurate easy stripping without damaging the fiber or Kevlar® strength member
- Contoured, comfort-grip handles to reduce operator fatigue

Description	Cat. No.
Simplex/Duplex 3mm Jacket Stripper	**45-349**

Note: Kevlar® is a registered trademark of DuPont.

Stripmaster® Ribbon Fiber Jacket Stripper



- Removes jacket from Ribbon Fiber without damage to the Kevlar® strength member of the Ribbon Fiber

Note: Frame and blade-set sold separately.

Description	Cat. No.
Stripmaster® Frame only	**L-5620**
Blade-set for use with Corning Plenum and Riser Ribbon Fiber Cable	**LB-1152**
Blade-set for use with Corning "Fanout" Ribbon Cable	**LB-1153**

Note: Kevlar® is a registered trademark of DuPont.

Serrated Cutter (For Kevlar®) with Breaker Notch



- Two-Step process significantly increases the life of this rugged tool
- Superior quality high-carbon stainless steel with molybdenum and vanadium provides the super-hard edges needed to stand up to the demands of today's market
- Textured cushioned-grip handles
- Value-priced for contractors, cable assembly houses, fiber installers/technicians and tool kits

Description	Cat. No.
Serrated Cutter w/Breaker Notch (Patent pending)	**45-344**

Note: Kevlar® is a registered trademark of DuPont.

MiniLite-Strip™ Optical Fiber Stripper



- Small strip notch engineered and precision-ground to strip 900 micron or 250 micron buffer coatings from 125 micron fiber
- Larger round strip notch machined to remove the 3mm outer jacket
- Strip notches pre-set and locked, no field adjustment necessary

Description	Cat. No.
MiniLite-Strip™ Optical Fiber Stripper	**45-352**

Lite-Strip™ Optical Fiber Stripper

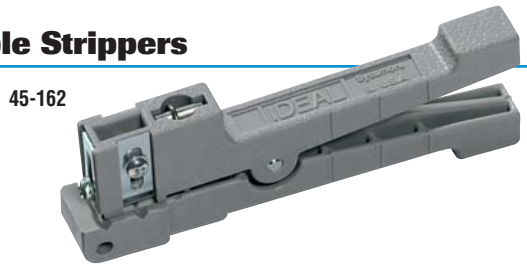


V-notch blades strip a wide range of outer cable jacket. Precision-ground, replaceable knife-type blades strip tight buffer tube insulations (900µm). Also strips mechanically strippable coatings from 250 microns to 900 microns.

- Replaceable precision-ground blades cleanly strip buffer coatings
- New funneled hole makes cable insertion easier
- Improved spring mounting returns handles to original position after every application
- One-step, 900 micron stripping hole provides broader stripping range
- Extra durable to withstand normal drops without requiring tool realignment
- New gauge color makes fiber and hole identification easier
- Improved comfort-grip handles for an easier, more comfortable stripping process

Description	Fiber Sizes	Cat. No.
Lite-Strip™ Optical Fiber Stripper (900µm/250µm)	125µm, 140µm	**45-350**

Cable Strippers

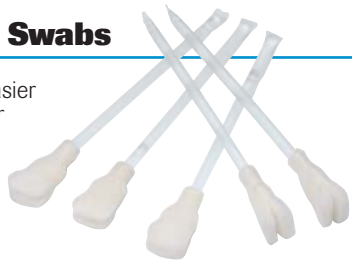


This lightweight, compact stripper is inexpensive and simple to operate.

- Adjustable blades can be set for any depth to help ensure nick-free strips
- Use with twisted-pair wire, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, SJ, SJT and other types of flexible power cords
- Includes three straight and one round blade

Description	Cat. No.
Cable Stripper, up to 1/8 in. (3.2 mm) O.D., Gray	**45-162**
Cable Stripper, 1/8 in. (3.2 mm) to 7/32 in. (5.556 mm) O.D., Blue	**45-163**
Replacement Blade Set for 45-162, 45-163, 45-165	**L-9225**

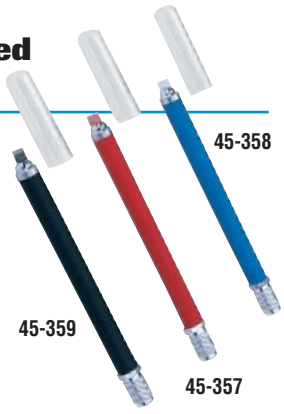
Split-Tip Fiber Optic Swabs



- Split-tip design cleans fiber easier and more efficiently than other methods
- Tube/handle is pre-loaded with 99% isopropyl alcohol
- A single swab can be used for many cleanings or until the alcohol is gone

Description	Qty.	Cat. No.
Split-Tip Fiber Optic Swabs	20/bag	**45-360**

DualScribe™ Double-Ended Fiber Optic Scribes



- Three professional quality blade styles to choose from to meet your specific needs – Ruby, Sapphire, Carbide
- Color-coded handles for quick, easy identification
  Red – Ruby
  Blue – Sapphire
  Black – Carbide
- 30° single bevel – DualScribe™ reversible blade doubles tool life
- Soft non-slip grip provides precise control during scribing
- Clear safety cap protects the blades from damage when not in use

Description	Handle Color	Cat. No.
Ruby Blade Fiber Optic Scribe	Red	**45-357**
Sapphire Blade Fiber Optic Scribe	Blue	**45-358**
Carbide Blade Fiber Optic Scribe	Black	**45-359**

Plastic Polishing Fixture



- Universal fitting accepts all ST®, SC and FC connectors with 2.5mm ferrules
- Economically priced
- Grooved face for polishing efficiency
- Precision tool used by manufacturers, contractors and in tool kits

Description	Cat. No.
Plastic Polishing Fixture	**45-342**

Note: ST® is a registered trademark of AT&T.

Stainless Steel Polishing Fixture for Optical Fiber ST® and SC Type Connectors



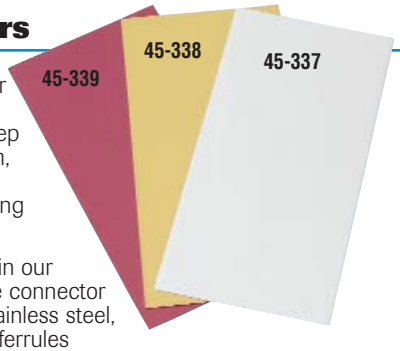
Produces polished fiber optic ST® and SC type connectors for optimum connector performance.

- Precision-machined, stainless-steel disk provides accurate polishing angle for desired end face finish
- Stainless-steel hardness maintains long life and resists uneven wear
- Stepped surface reduces drag and friction for easier polishing

Description	Qty.	Cat. No.
Polishing Fixture for Optical Fiber SC/ST® Type Connectors	1	**45-341**

Note: ST® is a registered trademark of AT&T.

Polishing Films for Fiber Optic Connectors



- For optimum connector polishing results, we recommend a three-step procedure using 0.5µm, 3µm and 12µm 3" x 6" aluminum oxide polishing films
- Lot-to-lot consistency in our films means repeatable connector finishes on ceramic, stainless steel, plastic and composite ferrules
- A single sheet will typically yield 10 to 20 connectors when using the recommended 3-step procedure

Description	Color	Qty.	Cat. No.
0.5µm, 3" x 6", Aluminum Oxide	Ivory	20 films/sleeve	**45-337**
3.0µm, 3" x 6", Aluminum Oxide	Lt. Yellow	20 films/sleeve	**45-338**
12µm, 3" x 6", Aluminum Oxide	Lt. Red	20 films/sleeve	**45-339**

Fiber Inspection Microscope

45-332



- 100X magnification for viewing multimode connectors
- Includes 2.5mm connector "Universal Adapter" for FC, ST® and SC style connectors
- Oblique illumination provides excellent view of ferrule cleanliness and core condition
- Rugged, rubberized metal housing, precision glass optics and a built-in laser safety filter
- White LED illumination delivers 100,000 hours bulb life
- Soft padded carrying case included
- Battery life 48+ hours
- Compact size 7.5" x 1.96" x 1.18"
- Optional 200X Conversion Eyepiece threads on for viewing finish/polish of singlemode connectors

Description	Cat. No.
Fiber Inspection Microscope	**45-332**
1.25mm Connector Adapter — LC Connectors	**45-334**
MTRJ-Style Connector Adapter	**45-335**
200X Conversion Eyepiece for Singlemode Connectors	**45-336**

Note: ST® is a registered trademark of AT&T.

VFF5 Visual Fault Finder



Laser light source used to locate breaks, faulty splices and crimps

- Universal 2.5mm interface connects directly to ST®, SC and FC connectors
- Assists in the termination of "no-polish" connectors by indicating proper cleave alignment in connectors such as the MTRJ
- Non-roll design — essential for bench top use when terminating mechanical splices or internal-splice connectors
- Rugged, metal body with protective Santoprene® over-sleeve
- Battery and case included

Description	Cat. No.
Visual Fault Finder	**VFF5**

Note: ST® is a registered trademark of AT&T.


LANTEK 7G
1 GHz Certifier


VDV MultiMedia
VOICE
VIDEO
DATA
TONE
Remote


LinkMaster-PRO XL


SecurITEST


IDEAL
SIGNALTEK FO
03/20/2006 11:56
Setup
IDEAL
AutoTest
Manual
Job
1001
Cable
Fiber
Test
Result
Wiremap/Length
Running
Link Establishment
Pending
DHCP
Pending
Ping
Pending
Run
TEMP Copy
Recall Test
Setup
Multimedia Qualification Tester
F1
F2
F3
F4
Autotest
ENTER
1 .-_
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
* SHIFT
0 SPACE
←ESC

SIGNALTEK™-FO Multimedia Qualification Tester

NEW

SIGNALTEK-FO is the first Qualification tester that offers both copper and fiber optic testing; and SIGNALTEK-FO does it for less than the price of an Optical Test Set alone.



- Fiber Optic and Copper Gigabit Qualification – Qualify copper and fiber-optic cabling to IEEE 802.3 standards
- Multimedia Gigabit Qualification (Multimode and Single Mode capability) – Qualify short and long range cabling to a distance of up to 10km
- BERT and Optical Attenuation Measurements – Perform Bit Error Rate Testing and decibel (dB) loss measurements of optical links.
- Dual Wavelength Capability – available in both 850nm and 1300nm wavelengths to support virtually all LAN and campus fiber applications.
- Small Form factor Pluggable (SFP) modules are compact, light-weight and field changeable.
- Storage and Reporting for Thousands of Reports – Store and print Qualification reports for copper and fiber jobs using internal memory or USB "thumb-drives".

Description	Cat. No.
SIGNALTEK™-FO w/850 Modules	**33-981**
SINGALTEK™-FO w/13X0 Modules	**33-982**
SIGNALTEK™-FO w/850 & 13X0 Modules	**33-983**
SIGNALTEK™-FO w/o Modules (Fiber-Ready)	**33-987**

#33-983



SIGNALTEK™-FO Specifications

Ports/Connections

- USB A/B, DC power input
- Shielded RJ-45 Port: Supports 10/100/1000Mbps Ethernet connections
- Small Form-factor Pluggable (SFP): Supports IDEAL SFP modules in 850nm and 1300nm wavelengths, 1000Mbps Ethernet

SFP-850 – 850nm Module

- Class 1 Laser EN60825-1
- Compatible fiber types: 50/125mm or 62.5/125mm graded index multimode fiber
- Power Output (dBm): -9.5min, -3max
- Receiver Power Range (dBm): 0 to -20
- Max Link Length: 550m (1800ft) on 50/125mm fiber; 300m (985ft) on 62.5/125mm fiber
- Operating Temperature: -10 to 85°C (14 to 185°F), 85% RH non-condensing

SFP-13X0 – 1300nm Module

- Class 1 Laser EN60825-1
- Compatible fiber types: 50/125mm or 62.5/125mm graded index multimode fiber and 9/125mm step index single mode fiber
- Power Output (dBm): -9min, -2.5max
- Receiver Power Range (dBm): 0 to -22
- Max Link Length: 550m (1800ft) on 50/125mm fiber; 300m (985ft) on 62.5/125mm fiber; 10km (6.2mi) on 9/125mm fiber
- Operating Temperature: -10 to 85°C (14 to 185°F), 85% RH non-condensing

Length Measurement

- RJ-45 Port: TDR length measurement of 1-4 pair cables to 140m/460 ft.
- SFP Port: No length measurement of fiber optic cables

Bert Error Rate Measurements

- Copper: 10/100/1000Mbps. Error rates tested to IEEE 802.3ab standard
- Fiber: 1000Mbps. Error rates tested to IEEE 802.3ab standard.

Battery Life: Standard AA Alkaline Batteries

- Copper Testing: Approx 15 hours @ 22 tests per hour (45s Autotest)
- Fiber Testing: Recommend use of AC adapters when testing fiber

SIGNALTEK™ Cable Performance Tester



SIGNALTEK™ provides a technically innovative method to test and document performance of voice, data, video, and VoIP applications for cabling installers and network technicians. It tests the link's ability to support applications by transmitting Ethernet packets on the wire and measuring the link performance according to IEEE 802.3ab Gigabit Ethernet standard. By monitoring transmitted and received data packets, it can report the BERT (Bit Error Rate Test) for the link. It uses the latest generation of Gigabit Ethernet technology to provide the best performance to this new class of testers.

Features of SIGNALTEK™

- ***Unique –*** Simulate real world network traffic with full-duplex gigabit performance testing
- ***Unique –*** User selectable 10/100/1000 Bit Error Rate Testing (BERT) to ensure performance for all Ethernet devices
- ***Unique –*** Smart autotest function detects line condition and automatically chooses appropriate test to run to allow testing cable that is terminated with a SIGNALTEK remote, a network device or unterminated
- ***Unique –*** Save time using the remote to perform 10/100 or gigabit service detection AND initiate an Autotest when main unit is connected
- ***Unique –*** Maximum flexibility with two USB ports. Connect to a computer to upload test results, connect directly to a printer or connect a USB memory drive for unlimited storage
- ***Unique –*** Get maximum coverage with a full two-year warranty
- ***Unique –*** Configure multiple target IP addresses for pinging several network devices to ensure communications with servers, printers, IP cameras, home automation controls, etc.
- Offers network interrogation tools such as link establishment, port LED blink and ping
- Exceeds 100m measurement distance required by IEE 802.3ab gigabit Ethernet standard
- Easy-to-read Pass/Fail performance reports that can be stored and printed for customer documentation
- Multiple BERT configurations for VoIP, data, and video-over-IP specific testing
- Brilliant high-resolution color display visible in any lighting condition
- Uses readily available AA batteries
- Wiremap faults easily with selectable 568 A/B color coding
- TDR to accurately measure length and locate shorts and opens

SIGNALTEK™ Specifications

Cable Types

- Voice/phone cable - USOC/RJ-11/RJ-12 interface
- Data Cable - STP/UTP (RJ-45) for CAT 3/5e/6/6a/7 cabling
- Coax cable - via RJ-45 to F Patchcord, series 6, 59, 58 cabling (50/75 Ohm)

Battery Life: Standard AA Alkaline batteries

- Stand by - 90 days
- Cable testing - 30 hours
- Network monitoring - 4 hours

Physical Dimensions

- Display handset: 7.9" L x 3.6" W x 1.5" D
- Remote handset: 6.8" L x 3.5" W x 1.5" D
- Near-end Weight: 12.5 oz.

Ports/Connections

- RJ-45 test interface port
- Mini USB "A" port
- Standard USB "B" port
- DC power input for long-term network monitoring

Description	Cat. No.
SIGNALTEK™ Kit	33-974
Universal 120-240V Power Adapter	4010-00-0136
RJ-45 to 8 Head Alligator Clip	K-7920
Replacement Cable Accessory Kit - contains all original cables in SIGNALTEK™ Kit	1219-91-0003

#33-974



LANTEK® 6/6A/7G LAN Cable Certification Testers

LANTEK offers a family of high performance cable certification testers to support a full range of LAN cable testing. The LANTEK family of certification testers uses the IDEAL patented measurement system that removes the effects of ordinary patchcords, thus making channel and permanent link certification of a cable standard such as CAT6a or ISO-F possible without changing adapters. The same patented technology also makes DUALmode Testing possible so the users can get any two test results simultaneously. As a result, the LANTEK Cable Certification Testers save you money and time on the job.

- **LANTEK® 7G 1GHz** is the world's first independently verified Level IV accurate LAN cable certification tester capable of testing installations up to 1 GHz, exceeding the requirements for CAT6a/7/ISO-F.
- **LANTEK® 6A 500MHz** is a Level IIIe verified certification tester designed to support the emerging CAT6a Standard to certify LAN cabling to support applications up to 10G Ethernet.
- **LANTEK® 6 350MHz** is a Level III verified LAN certification tester designed to support up to CAT6/ISO-E cabling.

Features of LANTEK® Products

- **High-Performance LANTEK® 7G/6A/6** – sweeps to 1 GHz and supports testing requirements up to CAT 6/6a/7/ISO-F and beyond
- **Level IV/IIIe/III Accuracy** – independently verified by ETL for baseline, channel and permanent link
- **DUALmode Testing to Save Time** – reports channel and permanent link test results simultaneously
- **Test with Patchcords to Save Money** – performs CAT6A/6/5e/ISO-Ea/E/D testing with standard patchcords to achieve the lowest cost of ownership
- **Largest Internal/External Memory Capacity** – makes record management easy
- **Convenient FIBERTEK™ Accessory** – simultaneously tests two fibers for attenuation and length
- **Innovative TRACETEK™ Accessory** – performs advanced fiber fault location and troubleshooting functions





The only tester to sweep to 1GHz



Kits Include:

PACKAGE AND ACCESSORIES	LANTEK6B Basic	LANTEK6ABAS Basic	LANTEK6APREM Premium	LANTEK6ATRV Travel	LANTEK7GBAS Basic	LANTEK7GPREM Premium	LANTEK7GTRV Travel
Soft Carrying Case	✔	✔	–	–	✔	–	–
Deluxe Hard Shell Case	–	–	✔	–	–	✔	–
Airline Grade Travel Case with Wheels	–	–	–	✔	–	–	✔
64MB Compact-Flash Memory Card	–	–	✔	✔	–	✔	✔
Category 6 Universal Adapters & Reference Cables	✔	–	–	–	–	–	–
Category 6a Universal Adapters & Reference Cables	–	✔	✔	✔	✔	✔	✔
CAT7 (TERA) Adapters & Reference Cables	–	–	–	–	✔	✔	✔
Batteries	2	2	4	4	2	4	4
DUAL Bay Rapid Battery Charger	–	–	✔	✔	–	✔	✔
Headsets (2), AC Adapters (2), Hanging Straps (2), Serial Cable (1), USB Cable (1), LANTEK Reporter Software (1)	✔	✔	✔	✔	✔	✔	✔

Note: Delivery content may vary outside of US. Please contact your local IDEAL sales office for details.
The airline grade Travel Case fits in most airline overhead storage compartments.

FEATURES	LANTEK6 Basic	LANTEK6A Premium	LANTEK7G Premium
Frequency Range	350 MHz	500 MHz	1 GHz
Supports CAT7 & ISO-F	Upgradeable	Upgradeable	✔
Supports CAT6a	Upgradeable	✔	✔
Support CAT6/5e/3 and ISO-E/D/C	✔	✔	✔
Accuracy Level III/IIIe (Draft)/IV (LANTEK6/6A/7G) verified by	ETL	ETL	ETL
Support DUALmode Testing to Save Time	✔	✔	✔
Test with Patchcords to Save Money	✔	✔	✔
Screen Display Area	Best	Best	Best
CAT6 Test Storage with Graphs	500	500	500
Standard External Compact Flash Memory	Option	64MB	64MB
USB/Serial Port	✔	✔	✔
Copper TDR Trace	✔	✔	✔
Fiber Loss Measurement (FIBERTEK)	Option	Option	Option
Fiber Distance to Break (TRACETEK)	Option	Option	Option
Talk over Fiber & Copper (Full Duplex)	✔	✔	✔
Display Screen on Remote	✔	✔	✔
Troubleshooting Tone Generator on Remote	✔	✔	✔
External Rapid Battery Charger & Extra Batteries	Option	✔	✔

Other Accessories	LANTEK6/6A/7G
Soft Carry Case	3010-12-0096
Deluxe Hard Carry Case	3010-12-0092
Batteries	1219-00-1604
Serial Cable	6011-50-0031
64 MB CompactFlash Card	2112-27-0605
CompactFlash Card Reader for PC	2112-27-0604
LANTEK CAT 6/5e Channel Adapters (ea.)	0012-00-0629
LANTEK CAT 6a/6/5e Channel Adapters (ea.)	0012-00-0656
LANTEK CAT 6a/6/5e Reference Patchcords (ea.)	6011-50-0029
Talkset (2)	3010-70-0015
User Manual	6510-00-5000
Dual Bay Battery Charger	0012-00-0642
LANTEK CAT 7 TERA Testing Kit	1019-00-1105
LANTEK CAT 7 NEXANS Testing Kit	1019-00-1110
Coax Testing Adapter Kit	1019-00-0343
110 Block Testing Adapter Kit	1019-00-1112
BIX Block Testing Adapter Kit	1019-00-1114
66 Block Testing Adapter Kit	1019-00-1115



FIBERTEK™ and TRACETEK™ Advanced Fiber Test Options



Features of FIBERTEK™ Products

- Measures signal loss and length
- 850nm VCSEL light source enables Gigabit Ethernet certification on Multimode fiber
- Enables bi-directional, dual wavelength measurements
- Full duplex talkset capability
- Provides easy switching of LANTEK® Cable Tester between Copper and Fiber LAN testing
- Separate loopback testing method for high precision length
- Outstanding Temperature Compensation provides highly accurate test results in a wide variety of environments

FIBERTEKMMP Multimode Fiber Testing Premium Kit

- All of the features of the FIBERTEKMMB plus TRACETEKMM (below):

FIBERTEKSMP Singlemode Fiber Testing Premium Kit

- All of the features of the FIBERTEKSMB Plus TRACETEKSM (below):

Features of TRACETEK™ Products

- Enables LANTEK® certification testers to provide an event trace at a fraction of the price of an OTDR
- Provides easy switching of LANTEK® certification tester between FIBERTEK™ loss and length measurement and TRACETEK™
- Includes event plots that pinpoint significant losses along the fiber
- Provided with launch cable and appropriate connectors

FIBERTEK/TRACETEK PACKAGES	FIBERTEKMMB	FIBERTEKMMP	FIBERTEKSMB	FIBERTEKSMP	FIBERTEKALLB	FIBERTEKALLP	TRACETEKMM	TRACETEKSM
FIBERTEK – 850nm MM Adapter	✔	✔			✔	✔		
FIBERTEK – 1300nm MM Adapter	✔	✔			✔	✔		
FIBERTEK – 1310nm SM Adapter			✔	✔	✔	✔		
FIBERTEK – 1550nm SM Adapter			✔	✔	✔	✔		
TRACETKEK – 1300nm MM Adapter		✔				✔	✔	
TRACETKEK – 1310NM SM Adapter				✔		✔		✔
Fiber Cleaning Starter Kit	✔	✔	✔	✔	✔	✔	✔	✔
62.5/50µm, MM, ST-ST Cable Kit	✔	✔			✔	✔		
62.5/50µm, MM, FC-ST/FC-SC Cable Kit		✔				✔	✔	
9µm, SM, FC-ST Cable Kit			✔	✔	✔	✔		
9µm, SM, FC-ST/FC-SC Cable Kit				✔		✔		✔

See your IDEAL representative for additional specifications on all certification products.

SecuriTEST™ CCTV/Security Tester

NEW

CCTV installers often need to carry a variety of testing tools to complete their work. SecuriTEST combines the most-needed tools in one easy-to-carry package. Since all connections (video/communications/DMM) attach to a single unit, SecuriTEST eliminates the need to juggle several devices while on a ladder or lift, making working conditions safer and increasing productivity.

- Six Essential CCTV Tools – Combines a CCTV video tester, PTZ camera controller, Digital Multi-Meter, UTP cable tester, video test pattern generator and PTZ protocol analyzer in a single compact package.
- Save Time & Money – Test, aim and focus cameras when working alone and save time by not having to walk back to the control center to verify functionality of each camera.
- Compact Design – Combines all the most needed security tools in a lightweight, easy-to-carry unit with a sharp, bright 2.5in (6.3cm) color LCD screen with on-screen displays for PTZ control/diagnostics and DMM readouts.
- PTZ Protocol Analyzer – Compatible with over a dozen PTZ protocols to test and program cameras in the field. Decodes and identifies output from PTZ console to aid in troubleshooting.



Description	Cat. No.
SecuriTEST™ CCTV/Security Tester only	33-891
SecuriTEST™ Tester Pouch only	62-891

Includes: Rechargeable batteries, AC charger, car charger, test leads, wiremap terminator, neck strap and manual. 1-year Warranty.



#33-891

VDV MultiMedia Cable Tester

- **Voice** – supports 3-pair USOC and 6-position RJ-11/12 jacks
- **Data** – supports both shielded and unshielded cable testing to T568A/B (RJ-45)
- **Video** – tests coax cable for opens and shorts with F-connector interface
- Tests for opens, shorts, miswires, reversals and split pairs. Also indicates correct wiremap. Has automatic shut off (to prolong battery life) and low battery indicator.
- Easy to read LCD display with "PASS/FAIL" indicator after each test
- Tone generator supports four different tones making fault isolation easier



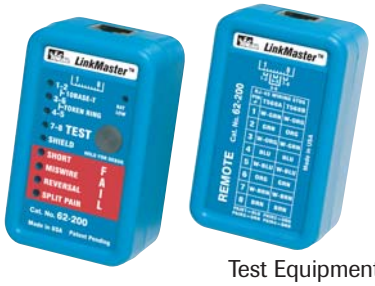
Description	Cat. No.
Kit with integrated remote and accessories	33-856

LinkMaster™ Tester

Tests wiring configurations on UTP/STP cables. Checks for shorts, miswires, reversals and split pairs. Debug feature, automatic shut-off and low battery LED indication.

- Designed to test installed twisted pair wiring
- Tests unshielded and shielded modular plugs
- Main unit and remote allow one person testing

Works Great on CAT 6 Cabling



Description	Cat. No.
LinkMaster™ Tester and Remote (blister card)	62-200

LinkMaster™ PRO and LinkMaster™ PRO XL Testers

The LinkMaster™ PRO & LinkMaster™ PRO XL Testers enable installers, contractors and maintenance technicians to map, test and troubleshoot data and voice communication cable and coax runs. Rugged, versatile, and easy-to-use, they have mastered the link between performance, simplicity and value for both commercial and residential applications.

Features

Description	LinkMaster™ PRO	LinkMaster™ PRO XL
Blinks the hub		■
Displays length measurement with test results		■
Remotes have both RJ-11 and RJ-45 jacks		■
Backlight LCD screen		■
Measures length on UTP, STP and coax	■	■
Tests UTP for shorts, opens, miswires, reversals, split pairs and shield continuity	■	■
Test coax for opens, shorts and continuity	■	■
Shows wiring errors	■	■
Tests and identifies with all eight twisted pair and coax remotes	■	■
Sends tone with four different signals	■	■
Displays test results in wire map format	■	■
Snap-off battery cap	■	■
9 volt battery included	■	■



Kits and Accessories

Description	Cat. No.
LinkMaster™ PRO XL Kit w/eight remotes	33-880
LinkMaster™ PRO XL Kit w/eight remotes & ABS™ Tester	33-881
LinkMaster™ PRO XL Kit w/eight remotes (international packaging)	33-886
LinkMaster™ PRO XL Economy Kit w/one remote	33-887
LinkMaster™ PRO Kit w/eight remotes - Unshielded jumper cables	33-825
LinkMaster™ PRO Kit w/eight remotes - Shielded jumper cables	33-826
LinkMaster™ PRO Economy Kit w/one remote - Unshielded jumper cables	33-835
LinkMaster™ PRO Economy Kit w/one remote - Unshielded jumper cables	33-836
RJ-45 to RJ-11 jack adapter (2/card) POP Packaging	LA-4233
RJ-45 to F-connector adapter (2/card) POP Packaging	LA-4234
LinkMaster™ PRO XL remotes UTP/STP 2-8 only (white carton)	LA-4235
LinkMaster™ PRO XL large replacement case	H-3412
Security Kit - 8-position modular adapter and eight RJ-45 to alligator clip lead sets	LA-4157
BNC Accessory Kit	LA-4173
Set of eight color-coded F-terminators for LinkMaster™ PRO or PRO XL	LA-4159
LinkMaster™ PRO large replacement case	H-3324
Replacement economy kit case	IA-4868



#33-880



#33-887



#33-825



#33-835

Amplifier Probe & Tone Generator and Kits

Amplifier Probe

- Identifies and traces wire or cables within a group
- Battery cap allows quick and easy battery replacement
- Battery low indicator

Tone Generator

- Emits three different types of tones
- Auto-off after three hours of non-use
- Tone can be added in any status

Description	Cat. No.
Amplifier Probe	62-164
Tone Generator	62-160



33-864



33-862

Kits include: Amplifier Probe, Tone Generator, Lead Set, Cable Assembly and flat tip

Description	Cat. No
Kit in soft black pouch	33-864
Kit in hard gray case	33-862
Replacement Tip – Standard	LA-4145
Replacement Tip – Flat	LA-4144

TRACETone™ Tone Generator & Amplifier Probe



- Test continuity and locate signal of installed wire and cable
- Two selectable tone styles
- Tone Generator & Amplifier Probe fit together for easy storage
- Extra-deep serrations grips wire better
- RJ-11 Alligator Clip, RJ-11 Cable Assembly included

Description	Cat. No.
TRACETone™ Tester and Accessories (blister card)	62-140

ABS™ Tester & ABS™ Signal Thrower™ and Kits

ABS™ Tester

- Amplifier probe with telephone troubleshooting capabilities
- Tone TRACE feature detects tone signal
- Receives and reproduces telephone system dial tone
- Indicates call addressing for correct telephone number
- Polarity indicator tests for correct wiring and power

ABS™ Signal Thrower™

- Works with the ABS™ Tester to locate and identify cables
- Emits three different types of signals
- Auto-off after three hours of non-use

Description	Cat. No.
ABS™ Tester	62-180
ABS™ Signal Thrower™	62-184

33-854





33-852

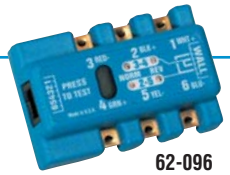


62-188

Kits include: ABS™ Tester, ABS™ Signal Thrower™, Lead Set and Cable Assembly

Description	Cat. No.
Kit in soft black pouch	33-854
Kit in hard gray case	33-852
Kit on blister card	62-188

Modular Adapters



62-096

Smart6™ Modular Tester

- 6-position Tester
- Incoming call identification

Data8™ Modular Adapter



62-098

- 8-position Adapter
- High-performance jack
- Internal circuit design to reduce attentuation, coupling, NEXT

Description	Cat. No.
Smart6™ Modular Tester	62-096
Data8™ Modular Adapter	62-098

Stripmaster® Wire Strippers

- One-step stripping enhances productivity
- Spring-action motion increases leverage and reduces operator fatigue
- Precision-ground, knife-type blades provide clean, accurate stripping
- Sturdy die cast frame provides long-term durability

Tuff-Tote™ Leather Tool Carriers

- Convenient 6 in. x 8 in. tool carrier with four center screwdriver slots, two interior compartments, two divided outside pockets and four outside tool loops

Benders

- Lightweight aluminum for easy handling
- Strong enough for every day use



WeatherProof™ & UnderGround™ Wire Connectors

- Silicone-based sealant protects against moisture and corrosion
- UL Listed to 486D for use in damp/wet locations or direct burial
- Easy to apply, pre-filled twist-on wire connectors

Hole Saws

- Thicker, FLEX FREE backing plate for clean true holes and longer tool life
- Improved bi-metal construction for long life and durability
- Variable pitch tooth geometry for fast cutting and reduced vibration

VoltAware™ NCV Tester

- Indicates presence of voltage from 40-1000VAC
- Visual indication of voltage
- Selectable audible indication of voltage
- Sleek, compact design
- Green LED indicates power on

Velocity™ Wire Pulling Lubricant

- High cling factor
- Maximum friction reduction
- Specification grade
- Compatible with all popular cable types
- Temperature stable

Kinetic™ Reflex™ T®-Stripper Wire Strippers

- Non-slip santoprene™ textured grips and thumb rest
- Plier nose for holding and twisting wires
- Slide lock for safety and storage
- Thumb and finger valley makes stripping easier and more accurate

Twister® Pro Wire Connectors

- SureGrip™ overmolding provides better grip for improved leverage and more torque
- Comfortable swept wings designed to help reduce hand fatigue
- Expanding square-wire spring provides a secure connection every time

BUCHANAN B-CAP® Wire Connectors

- Three color-coded models cover a full range of wire sizes from 22 AWG through 6 AWG
- Classic Fin™ design provides secure grip for extra leverage on maximum wire combinations
- Live-action spring expands to accept wire shape and size - no pre-twisting required



Industrial Clamp Meters

- 600 and 1000 amp clamps for a variety of industrial and commercial environments
- Unique TightSight™ bottom display makes hard-to-reach measurements convenient
- New easy-to-read displays feature large numbers and green glowing backlight

Tuff-Grip™ Pro Fish Tapes

- Tuff-Cuff™ tape retaining feature keeps tape properly positioned in the opening
- Full-perimeter handle band helps keep dirt and moisture out, prolonging life
- Easier to install replacement tapes
- Superior pull-out and rewind characteristics

WireMan™ Pliers

- Large head for extra strength
- High leverage rivet requires less cutting force
- Custom hardened tool steel for durability
- Cross-hatched jaws so wires won't slip when pulling

TERMINATING COAXIAL CONNECTORS



Cable Types

There are three basic communications cables used. They are coaxial cable for video applications, Cat5e UTP cable for data networking and Cat 3 used in telephone applications.

Coax Cable

RG-59 Generally not recommended anymore for CATV or Satellite. Smaller 22 AWG center conductor with 40% braiding, thinner in diameter than RG-6. Loses 80-90% of a signal every 100 ft.

RG-6 Is recommended by CATV and Satellite. 18 AWG center conductor with 60% braiding. Loses about 50% of the signal every 100 ft.

RG-6 Quad Is double shielded with two layers of foil and braiding with a 18 AWG center conductor. Use where extra protection from outside interference is needed. Loses about 50% of the signal every 100 ft.

Category 3, 5e, and 6

Cat 3 Cable Primarily used for phone applications where wiring is ran behind walls and is recommended by the FCC for phone use. Can be used by Data networks that are limited to 10 Mbs. Available in 2 and 4 pairs

Cat 5e and 6 Cable Used for Data networking of computers together. Cat 5e can be used for computer networks up to 1000 Mbs and Cat 6 is used for networks up to 250 MHz.

Cat 3, Cat 5e and Cat 6 cables twist the individual pairs to reduce noise or interference between the pairs that provides a stronger signal.

Coax Connector Types

Typical coaxial cable connectors used for CATV, satellite and video applications are called “F” connectors. Available in a compression, one-piece crimp, push-on, and a twist-on style. For security applications, BNC style connectors are used. They are available in crimp or compression style.

Twist On are the easiest to use but can be pulled off the end of the cable. Crimp On have been the standard connector used for many years. Push On are a great alternative and really stay on the end of the cable and require no extra tools to install. Compression connectors add a watertight seal and are recommended by satellite and CATV providers.

The connectors are available for RG-59, RG-6 and RG-6 Quad coaxial cables. Make sure to match the connector to the type of coaxial cable you’re installing.

COAXIAL/CONNECTOR SELECTION GUIDE

Compression



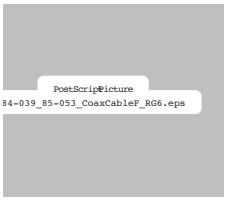
Push-On



Crimp-On



Twist-On



Best Connection → **Better Connection** → **Good Connection**

COAXIAL/CONNECTOR SELECTION GUIDE

Pro—Compression Connector

Professionals use compression connectors because they are approved by cable and satellite providers. However, they are easy enough for anyone to install. The connector is permanent and does not pull off the cable and provides a watertight connection.



Best—Push On Connector

After stripping the cable and folding back the braiding, the connector is “pushed” onto the cable until the white dielectric is even or flush with the small opening. The push-on connector is a permanent termination and cannot pulled off.



Better—Crimp On Connector

Crimp On connectors use a crimping tool to install the connector onto the end of the cable. After stripping the cable, the connector is pushed onto the cable. Simply load the connector into the correct hole in the tool and squeeze the tool until it releases (more detailed instructions included with tool).





Good—Twist On Connector

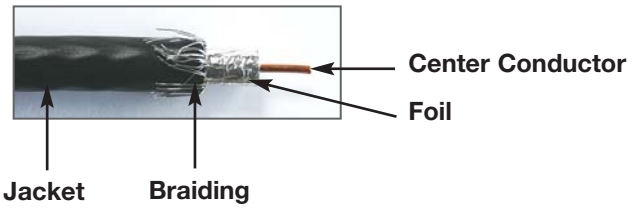
Twist On connectors simply thread onto the outer jacket of the cable after it has been stripped. They require no additional tools to install. Just twist the connector onto the cable until it is fully seated.



DEFINITION OF TERMS

Braid

Same as shielding- Typically made from a number of smaller aluminum or copper conductors interwoven together to form an outer conductor around the dielectric core. The braiding stops lower frequency noise from interfering with the signal traveling down the center conductor.



Center Conductor

RG-6 and RG-6 Quad have a 18 AWG copper coated steel conductor that carries the signal.

Dielectric

Insulation used to separate between the center conductor and braid/shielding conductor of coax cable.

Foil

The foil shield stops higher frequency noise (RFI) from interfering with the signal traveling down the center conductor.

Jacket

Outer material serves as a protective covering from the environment and may also add in the overall flame retardant properties of the cable.

COAXIAL INSTALLATION STEPS

Step 1

Choose the right connector from the selection guide.

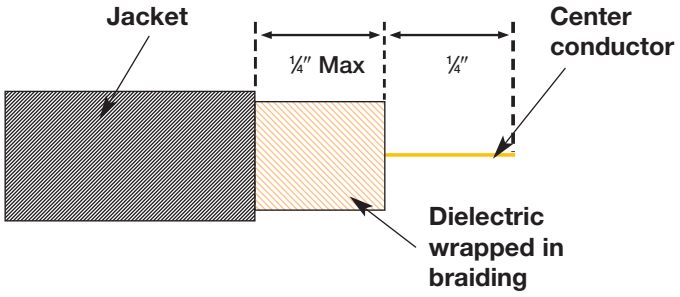
Step 2

Cut Cable



Data T®-Cutter
Cat. No. 45-074

Cut cable using a round cutter to maintain cable geometry.



Step 3

Strip Cable

BNC compression and all F-connectors require a two step 1/4 in. x1/4 in. strip. Crimp BNC require a 3 step strip. (See product packaging for instructions.)



Coax Stripper
Cat. No. 45-603

Strip cable by inserting cable into stripper and rotate stripper multiple times.



Fold back braiding
Fold back braiding over outer jacket of cable. Place connector onto cable until white dielectric is even with center hole of connector.

TERMINATING A DATA JACK

Step 4 - Terminate

Compression F-Style
Place the connector onto the end of the cable until the white dielectric is flush with the center hole of the connector. Insert the connector into the tool and squeeze the handle until the connector is fully compressed.

Crimp F-Style
Insert stripped cable into connector until the white dielectric is even with the center hole. Crimp per tool's instructions.

Compression BNC
Insert stripped cable into BNC connector until the white dielectric reaches a point where you can feel the center conductor connect with the inner center pin socket.

Compress per your tool's guidelines.

(NOTE: To help approximate how much cable to push into the connector for the center conductor to grab, you can do the following: Hold stripped cable against the connector as shown in photo to the right. End of center conductor should line up with movable portion of connector. Mark cable where it meets end of conductor. This mark shows how far to insert cable fully seat conductor.)

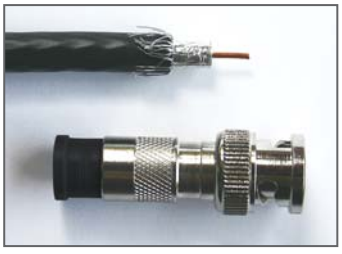


Cat. No. 30-603



Finished connector





TERMINATING A DATA JACK

Step 5 - Testing

Test the cable with a continuity tester to make sure cable is properly terminated with no opens or shorts.



LinkMaster® Pro XL
Cat. No. 33-880



VDV MultiMedia Tester
Cat. No. 33-856

DATA WIRING

Cable Pulling Tips

Maximum pulling tension—25 lbs.

Minimum bending radius—4 times diameter of cable

12 in. from power lines

4 ft. from motors or transformers

12 in. from fluorescent lighting

Should cross perpendicular to power lines

Cable untwisting allowed after termination:
3 in. for Category 3 cable
0.5 in. for Category 5e and Category 6 cable



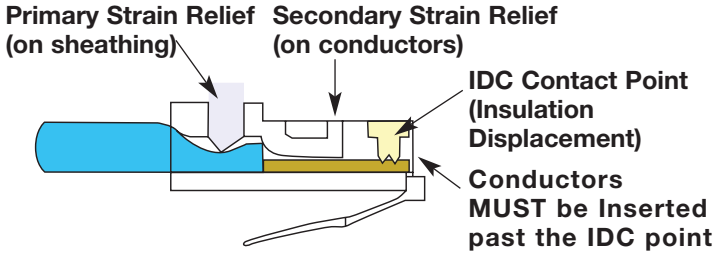
Avoid kinking or bending cable. Cable ties should not be overly tight. Don't use standard staples to support cable as they may crush the cable.

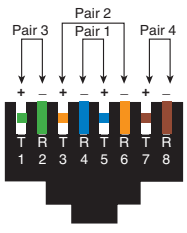
What are RJ-45 Modular Plugs?

All Category 3 (16 MHz), 5e (100 MHz), and 6 (250 MHz) UTP cables that connect computers and other networked equipment together are terminated with an 8-position modular plug. The completed cable, typically called a patch cord, it is terminated with an RJ-45 connector on each end. All computers use this style connector and is very common in the industry. It can also be used for 4 line telephone systems.

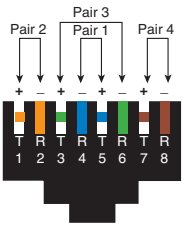
Use quality connectors, make sure the plugs you buy are rated for data applications. They should also be rated for the type of UTP cable being used, either solid or stranded cable. If you use stranded rated plugs on solid Cat 5e cable the result will be opens in the connections. However, you can use solid modular plugs on solid or stranded cable.

The cable must be terminated to the EIA/TIA wiring standards. Shown to the right are the wiring orders for the connector. Typical patch cords terminate the connections the same way on both ends of the cable. Crossover cables are sometimes needed, wire one end in 568A to other 568B.





T568-A*



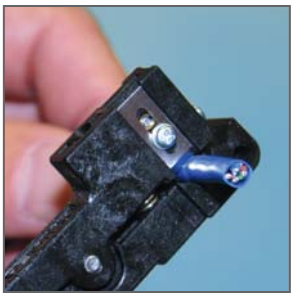
T568-B (AT&T)

Note: Diagrams reflect flat surface of modular plug facing up, with tab side down.

TERMINATING DATA MODULAR PLUGS

Step 1

Strip back 2 in. of outer jacket.



Cat. No. 45-165

Step 2

Separate pairs into proper sequence either EIA/TIA 568 A or B.

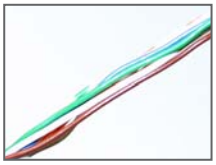
(NOTE: Wiring configurations reflect flat surface of the modular plugs facing up, with tab side down.



T568A



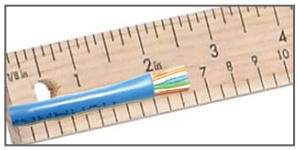
T568B



Flatten all pairs together

Step 3

Flatten the pairs so they are close together and in the right color sequence. Then trim them to 1⁄2 in. from the outer jacketing. Slip plug onto the cable as shown. Gold pins of plug are facing the installer. Otherwise, the resulting connection will be mis-wired.



Trim conductors 1⁄2 in.



Insert wire pairs into plug

Step 4

Terminate the plug using a modular plug crimping tool. Simply insert it into the RJ-45 die in the tool and squeeze the handles firmly.



Cat. No. 30-522

TESTING DATA MODULAR PLUGS

Testing

Test the cable with a continuity tester to make sure cable is properly terminated with no opens, shorts, reversals, or miswires.



LinkMaster™
Cat. No. 62-200

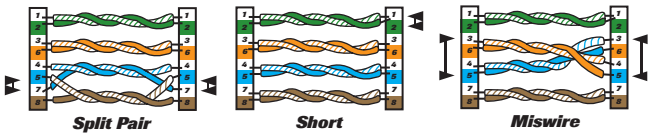


LinkMaster™ Pro XL
Cat. No. 33-880



VDV MultiMedia Tester
Cat. No. 33-856

Wire Error Definitions



TESTING DATA MODULAR PLUGS

Typical Questions

How to decide which wiring configuration to use:

EIA/TIA T568A and T568B:

Definition - A predetermined wiring order of individual conductors in a cable, based on the color of the conductor's outer sheathing.

Does the job specification call out a wiring configuration?

Does the customer/end user have a preference for T568A or T568B?

Are you adding on to an existing wiring structure? If so, your new cabling should match the existing wiring.

If none of the factors above apply, either T568A or T568B may be used. It is important to ensure that the workstation connectors and the patch cord are wired to the same pattern. T568B is commonly used in commercial installations, while T568A is prevalent in residential installations.

DATA JACK

What is a Data jack?

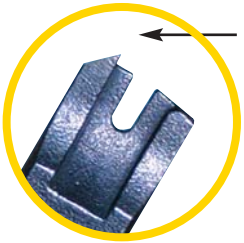
These terminations for Category cables like Cat 5e and Cat 6 cable for data applications are very common today. An installer will terminate the jack using a punchdown tool as shown. Refer to the jack manufacturer for instructions on how to properly install the cable into the jack.



CAT 5e



Punch Down tool with 110 blade
Cat. No. 35-485



Cutting edge



110 Blade
Cat. No. 35-495



110/66 Blade
Cat. No. 35-407

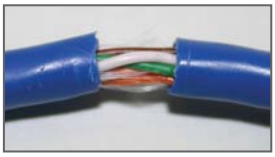
TERMINATING A DATA JACK

Step 1

Strip back 2 in. of outer jacketing of cable. Avoid damaging or nicking of the pairs.



Score cable with stripper
Cat. No. 45-165



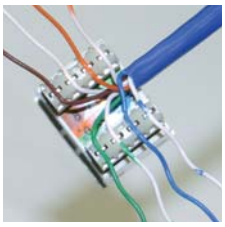
Bend cable, remove jacket

Step 2

Determine the wiring configuration to use. Separate the pairs and insert them into the colored slots. The jack will have both wiring codes printed on it. No more than 1/2 in. of each pair should be left untwisted.



T568A or T568B



Step 3

Terminate the wires into the slots on the jack by using a punch down tool as shown. Make sure cutting edge of blade is on outside of jack.

USE LOW IMPACT SETTING FOR JACKS





Terminated Jack

Step 4

Testing the connections.

Once you have everything terminated it is advised to test the cabling using a wiremap tester.

Tester Choices



VDV MultiMedia Tester
Cat. No. 33-856

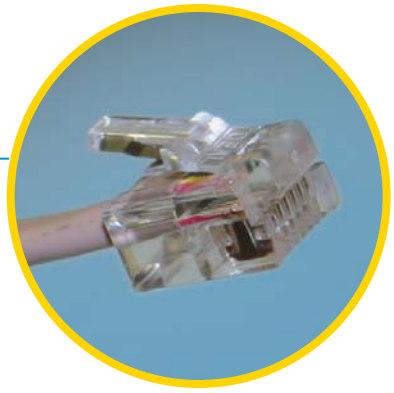


LinkMaster™
Cat. No. 62-200



LinkMaster™ Pro XL
Cat. No. 33-880

TERMINATING TELEPHONE MODULAR PLUGS



What is an RJ-11 Modular Plug?

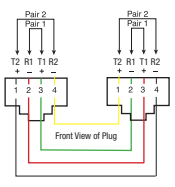
Telephones use patch cords to connect to the wall outlet. The cables are terminated with an RJ-11 Modular Plug. RJ-11 is a 2 pair or 4 wire connector which supports up to two phone lines.

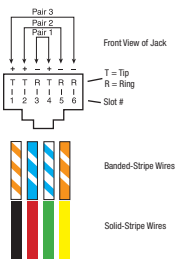
All phone cords are wired where the two ends of the cable are wired exactly opposite of each other.





Cat. No. 30-496





CAT 3

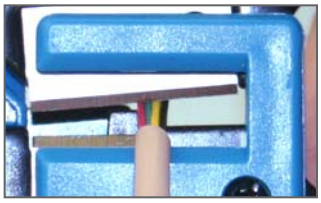
CAT 5e

TERMINATING TELEPHONE MODULAR PLUGS

Step 1

Trim end of cable and strip back 1/4 in. of outer jacket of cable with tool as shown.



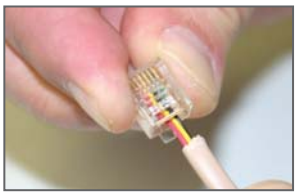


Cat. No. 30-496

Strip outer jacket and trim cable to 1/4 in.

Step 2

Insert stripped wires into RJ-11 plug (follow below color codes). Maintain the order of the wires while inserting into plug.



Step 3

Insert connector into RJ-11 die nest in middle of tool. Squeeze handles firmly to crimp the connector.



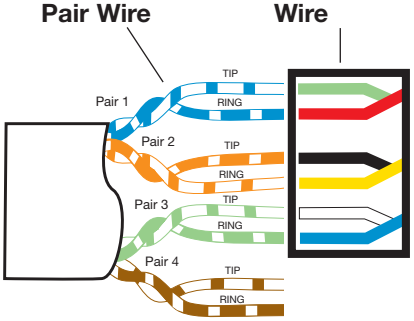
Step 4

Test the cable with a continuity tester to make sure cable is properly terminated with no opens, shorts or miswires.



Wire Color Codes — Convert "Old" to New

A. Band Twisted-Pair Wire **B. Solid Twisted-Pair Wire**



Standard 4-Pair Wiring Color Codes

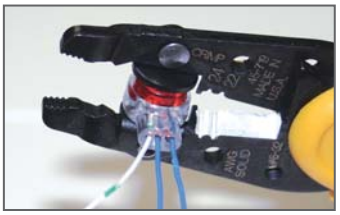
PAIR 1	T R	White/Blue Blue
PAIR 2	T R	White/Orange Orange
PAIR 3	T R	White/Green Green
PAIR 4	T R	White/Brown Brown

Note: For 6-wire jacks use pair 1, 2 and 3 color codes. For 4-wire jacks use pair 1 and 2 color codes.

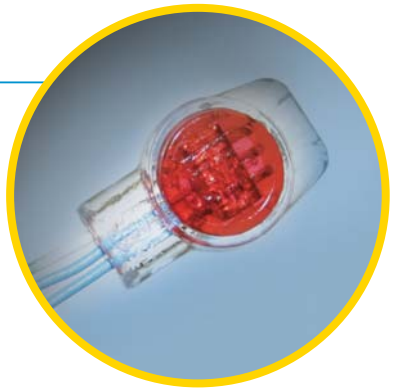
SPLICING CONNECTIONS

IDC Connections – "Jelly Beans"

These telephone connectors are used to splice or tap telephone wires together. They are moisture resistant to prevent corrosion. Designed for use on solid copper conductors.



Insert wires and squeeze with IDC tool.
Cat. No. 45-719





Cat. No. 85-925

3 Wire Butt Splice
Splices or taps up to three wires 19-26 AWG. Used to splice telephone wires together to run an extension to another phone.



Cat. No. 85-900

2 Wire Tap Splice
Taps a telephone wire 22-26 AWG. Used to splice telephone wires together to run an extension to another phone. Unique groove allows the installer to Tap the line without cutting or disrupting the service.



Cat. No. 85-950

2 Wire Butt Splice
Splices two wires together 22-26 AWG. Used to connect broken or cut telephone wires back together.

Connector Termination Instructions

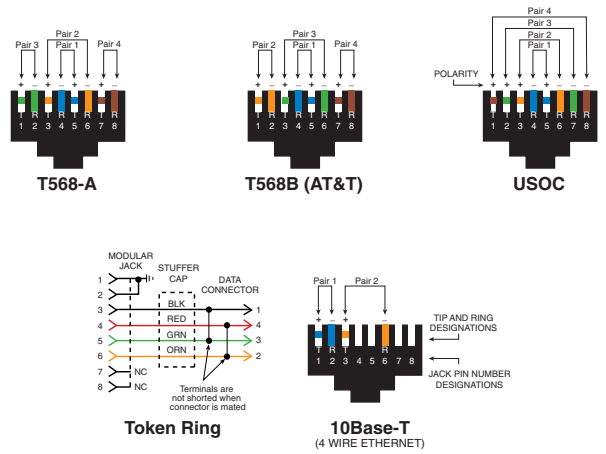
Fiber Optic Color Codes

Fiber #	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

TIA/EIA-606 Standards

Color	Description
Orange	Demarcation point
Green	Network connections on customer's side
Purple	Common equipment
White	1st level backbone
Gray	2nd level backbone
Blue	Horizontal cabling (closet end only)
Brown	Interbuilding backbone
Yellow	Auxiliary circuits
Red	Key telephone systems

Wiring Configurations for Modular Plugs

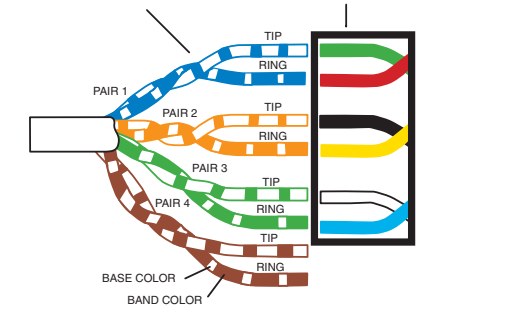


Note: Diagrams reflect flat surface of modular plug facing up, with tab side down.

25-Pair Color Codes

Color		Description	Color		Description
Pair 1	T R	White/Blue Blue	Pair 14	T R	Black/Brown Brown
Pair 2	T R	White/Orange Orange	Pair 15	T R	Black/Slate Slate
Pair 3	T R	White/Green Green	Pair 16	T R	Yellow/Blue Blue
Pair 4	T R	White/Brown Brown	Pair 17	T R	Yellow/Orange Orange
Pair 5	T R	White/Slate Slate	Pair 18	T R	Yellow/Green Green
Pair 6	T R	Red/Blue Blue	Pair 19	T R	Yellow/Brown Brown
Pair 7	T R	Red/Orange Orange	Pair 20	T R	Yellow/Slate Slate
Pair 8	T R	Red/Green Green	Pair 21	T R	Violet/Blue Blue
Pair 9	T R	Red/Brown Brown	Pair 22	T R	Violet/ Orange Orange
Pair 10	T R	Red/Slate Slate	Pair 23	T R	Violet/Green Green
Pair 11	T R	Black/Blue Blue	Pair 24	T R	Violet/Brown Brown
Pair 12	T R	Black/Orange Orange	Pair 25	T R	Violet/Slate Slate
Pair 13	T R	Black/Green Green			

Wire Color Codes



Standard 4-Pair Wiring Color Codes

PAIR 1	T R	White/Blue Blue
PAIR 2	T R	White/Orange Orange
PAIR 3	T R	White/Green Green
PAIR 4	T R	White/Brown Brown

Note: For 6-wire jacks use pair 1, 2 and 3 color codes. For 4-wire jacks use pair 1 and 2 color codes.

Technical Information

Data T®-Cutter (45-074)



- Maintains cable geometry for better cable performance
- Cuts multi-pair cable up to .500 in. (12.7mm) and coaxial cable up to RG-9/U
- Suitable for soft cables

Mini Compression Connectors (89-014SM, 89-014SMRCA)



- For use with most 21 - 25 AWG mini coax cable
- Nickel plated corrosion resistant body
- Mini RCA head is gold plated for superior contact performance
- Bandwidth is 5 Mhz - 3 GHz, Impedance is 75 Ohms (nominal), return loss min. -30 dB @ 3GHz

OmniSeal™ Pro Compression Tool (30-603)

- Compresses F-type, Mini F-type, RCA and Mini RCA connectors
- Adjustable
- Factory pre-set to work with ALL IDEAL compression connectors and most major manufacturer's RG-59, RG-6, RG-6 Quad and RG-11 connectors

Coax/UTP Stripper (45-603)

- Features two active strip cartridges for all RG59, RG6, RG6 Quad and UTP cables
- Push on ring for easy cable into connector insertion
- Rotates easily around finger
- No blade depth adjustments required



OmniSeal™ Compression Pro XL Tools (30-793)

- Compresses F-type, Mini F-type, RCA, Mini RCA and BNC connectors
- Adjustable
- Factory pre-set to work with ALL IDEAL compression connectors and most major manufacturer's RG-59, RG-6, RG-6 Quad and RG-11 connectors

2.3GHz Satellite/Digital TV Splitter (85-332, 85-333, 85-334)

- Splits signal up to 2.3 GHz required for good satellite TV performance
- Has power pass capability required for satellite TV installations
- Corrosion resistant – can use outside or inside
- Splitters also available for Digital and Analog TV (85-132, 85-133, 85-134)
- CATV Cable Splitter (85-032, 85-033, 85-034)

Universal Coax Compression Connectors

- One connector for all cable types within a given RG series



Plenum RG-6 (89-060P)



Universal RG-6 (89-060)



Universal RG-59 (89-059)



Universal RG-11 (89-011)

Residential Coax Application Guide

F/BNC Connector Tool (35-046)

- New and improved
- One tool works on F & BNC crimp and compression connectors
- Eliminates finger/hand fatigue attaching and detaching connectors to equipment

LinkMaster™ PRO XL (33-880)

- Tests for wiremap, miswires, opens, shorts, reversals, and split pairs
- Blinks the hub
- Tests up to 8 jacks/locations with 8 different remotes
- Measures length
- Easy to read backlit LCD screen

VDV MultiMedia Cable Tester (33-856)

- One tester for video (F-Connector), data (RJ-45) and voice (RJ-11, 12) applications
- Tests for wiremap, miswires, opens, shorts, reversals, and split pairs







Economy Compression Kit (33-620)

- Great for starting out with compression technology
- Everything you need to terminate a coax compression connector
  - Data T®-Cutter (45-074)
  - 2-Step Stripper (45-526)
  - Economy Compression Tool (30-633)
  - 10 RG-59 Compression Connectors (89-054)
  - 10 RG-6 Quad Shield Compression Connectors (89-056)
  - 20 RG-6 Compression Connectors (89-055)

Compression Coax F-Connectors



RG-6 Connector (89-055)



RG-6 Quad Shield Connector (89-056)



RG-59 Connector (89-054)

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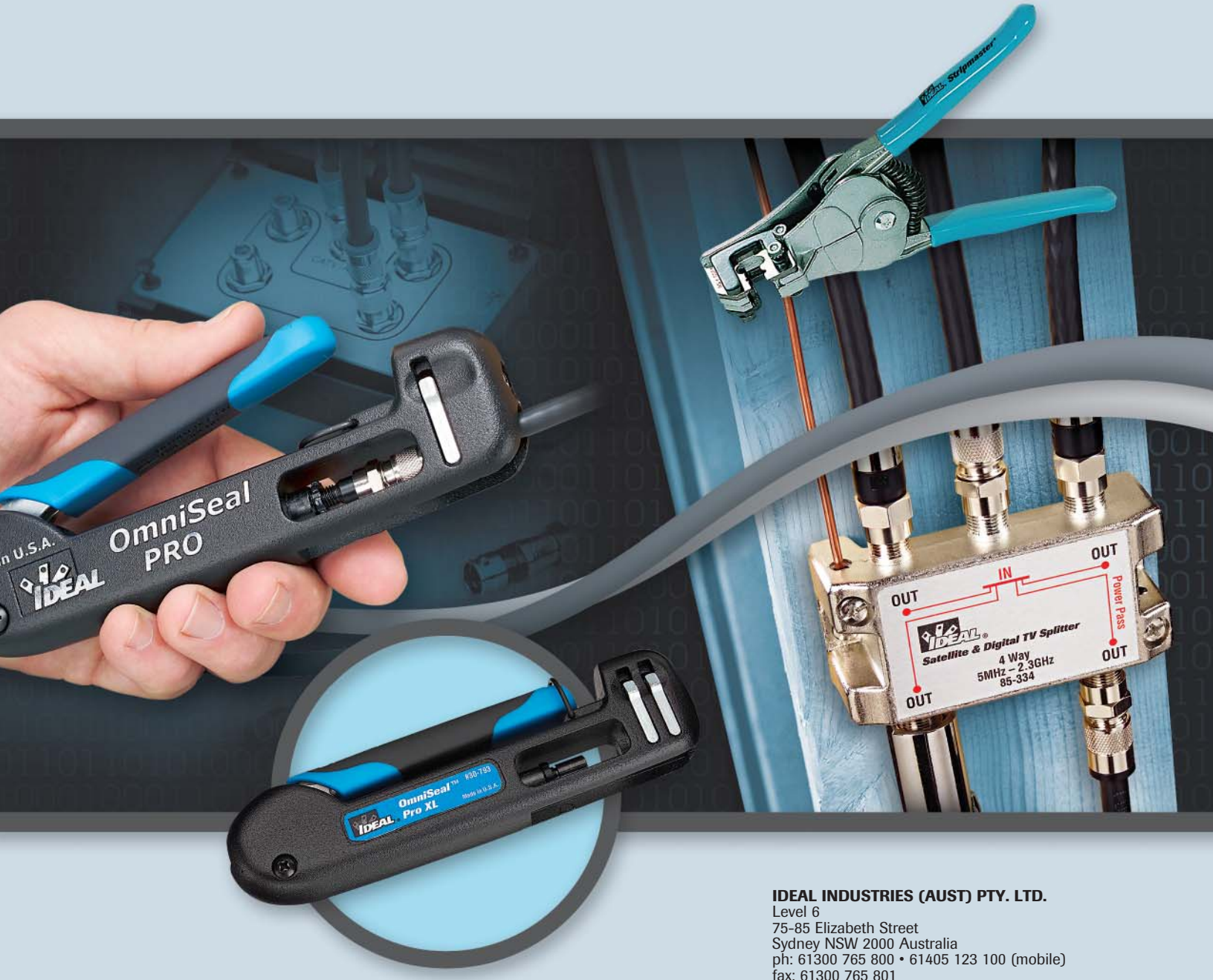
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DataComm Products and Equipment Catalog

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The way every job should be



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Rev. 11/07
Form No. P-435
Printed in USA
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DataComm Products and Equipment Catalog



IDEAL DataComm

CUT | STRIP | TERMINATE | TEST | CERTIFY

The way every job should be



IDEAL DataComm is dedicated to helping low voltage/datacomm professionals keep networks up and running. The system of products we have thoughtfully crafted **ensures the highest-quality** terminations with the ease-of-use you would expect from IDEAL. Our DataComm line includes a system solution for paired conductor, coax and fiber optic cabling.

www.idealindustries.com

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ISO 9001
Registered Quality Management System

For applicable GSA Contracts — contact IDEAL at 800-947-3614

BICSI CORPORATE MEMBER

New Products



Grounding Block

- Solid zinc alloy, nickel plated and chromate finished

Page B-8



Mini Coax Stripper

- Adjustable stripper for mini coax cable

Page B-3



OmniSeal™ Pro Compression Tools

- Compression tools now offer additional features and increased connector compatibility

Page B-6



Compression Connector Installation Kit

- Three tools in one handy pouch that clips easily to your belt.

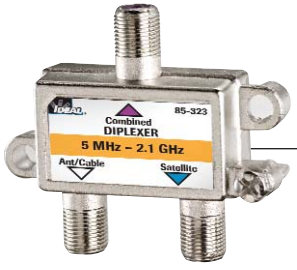
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8-Way Splitter

- Designed for easy mounting over cable

Page B-8



Diplexer

- Combine or split cable/ antenna signls with satellite signals

Page B-8

Push-on RG-59 & RG-6 Quad F-Connectors



- No termination tool needed, permanent connections

Page B-7



Coax/UTP Cable Stripper

- Strips UTP cable, RG-59 coax and RG-6 coax and features a primary and secondary strip cartridge

Page B-3



SecuriTEST™ CCTV/Security Tester

- Versatile all-in-one installation and troubleshooting tool for the CCTV professional

Page D-7

SIGNALTEK™-FO Multimedia Qualification Tester

- Offers copper and fiber optic testing

Page D-2








Data T²-Cutter

Data T®-Cutter

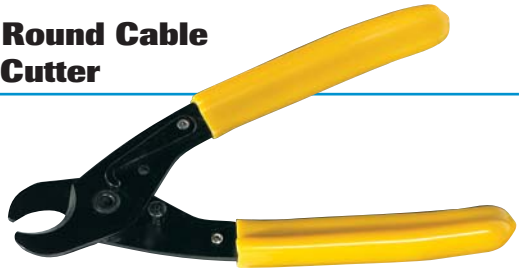


Cuts round communication and structured wiring cables and maintains cable geometry for better cable performance. Data T®-Cutter cuts multi-pair cable up to .500 in. (12.7 mm) and coaxial cable up to RG-9/U. Blade cutting capabilities suitable for soft cables (not ACSR).

- Steel reinforced center conductors can be trimmed with bolt cutting holes
- Data T®-Cutter II designed for RG-58 and RG-6 coaxial cable
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch

Description	Cat. No.
Data T®-Cutter	45-074
Data T®-Cutter II	45-075

Economy Round Cable and Wire Cutter



Cuts multi-conductor cable up to .500 in. (12.7 mm) and solid or stranded wire up to #8 AWG (10 mm^2).

- Built-in return spring, locking latch
- Soft handles for a comfortable grip
- Stamped, hardened steel frame with curved cutting blades

Description	Cat. No.
Multi Conductor Cable to .500 in. (12.7 mm) Solid or Stranded	35-051

Underground Feeder (UF) Cable Stripper

Works great on Category Cable!

- Self-adjusting stripping blades automatically select proper position
- Strips 12 AWG solid to 14 AWG Underground Feeder (UF) Cable
- Strips Twin and Earth cable
- Open-throat construction allows unlimited strip length



Description	Cat. No.
Underground Feeder Cable Stripper	45-235
Replacement blade set	45-234

Tele T®-Stripper

Strips and cuts flat telephone cable easily. Cuts outer insulation without nicking inner conductors.



- Built-in stripping guide for 8-position or 6-position modular plugs
- Spring-opening returns handles to place after every use
- Ergonomic, comfort-grip handles

MADE IN THE USA

Description	Cat. No.
Tele T®-Stripper	45-076

Telephone Line Cord Stripper

- Cuts and strips flat telephone cable for RJ-11 and RJ-45 modular plugs
- Built-in stripping guide provides correct strip lengths



Description	Cat. No.
Telephone Line Cord Stripper and Cutter for RJ-11 and RJ-45 Flat Telephone Cable	45-519

Coax/UTP Cable Stripper

- Features a primary and secondary strip cartridge
- Strips UTP, RG-59 and RG-6 coax cable
- Rotates easily around finger
- Push-on ring for easy connector termination



Description	Cat. No.
Coax/UTP Cable Stripper	45-603

Cyclops® Data Cable Stripper



Fast, easy removal of outer sheath insulations (PVC and Plenum types) from all Unshielded Twisted Pair (UTP), Shielded Twisted Pair (STP) and multicore cables up to .433 in./11 mm in diameter.

Description	Cat. No.
For Unshielded and Shielded Twisted Pair Cable	**45-514**

UTP/STP/Coaxial Cable Strippers

- Adjustable blades can be set for any depth to help ensure nick-free strips



Works Great on CAT 5 Cabling

Description	Typical RG Cables	Cat. No.
Coaxial Cable Stripper, up to 1/8 in. (3.2mm) O.D	RG-174, RG-187	**45-162** (Gray)
Coaxial Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.556mm) O.D.	RG-58, Mini Coax	**45-163** (Blue)
Coaxial Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D.	RG-11, RG-8	**45-164** (Blue)
Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D.	RG-59, UTP Cable	**45-165** (Black)
Replacement Blade Set* for 45-162, 45-163, 45-165	—	**L-9225**
Replacement Blade Set* for 45-164	—	**L-9226**

*A set of blades consists of three straight blades and one round blade.

UTP Cable Stripper



- Strips Cat 3, 5, 5e & 6 cables
- One-step stripping

NEW

Description	Cat. No.
UTP Cable Stripper	**45-167**

Round Cable Slitting and Ringing Tool



- Great for large diameter structured wiring cables
- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.75 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

Description	Cat. No.
Round Cable Slitting and Ringing Tool	**45-144**
Replacement Blades for 45-144 (2/pkg.)	**LB-1748**

Lever™ -Snips Electrician's Scissors with Stripping Notches



- Ergonomic design gives added leverage
- Spring-action, mechanical advantage increases stripping leverage and reduces operator fatigue
- Double plated for added rust protection
- Extra-deep serrations grip wire better

Description	Cat. No.
Electrician's Scissors with Stripping Notches	**35-087**

Electrician's Scissors



35-088

35-089

- Designed for use in telephone and electrical service applications
- Cut up to 16 AWG solid and 12 AWG stranded wire
- Serrated surface on back blade edge cleans wire
- Electrician's Scissors with stripping notches strip 19 and 23 AWG wire

Description	Cat. No.
Electrician's Scissors w/stripping notches	**35-088**
Electrician's Scissors	**35-089**

Cable Splicing Kit



35-093

Description	Cat. No.
Cable Splicing Kit (Scissors, Splicing Knife, Leather Holder)	**35-093**
Scissors and Knife Holder (Leather)	**35-094**

Cable Splicing Knife



- High carbon steel blade remains sharp and cuts easily through many insulation types
- Comfortable, full size, no slip handle for easy use

35-091

Description	Cat. No.
Cable Splicing Knife and Leather Holder	**35-091**
Knife Holder (Leather)	**35-092**

Ratchet Telemaster™



- For paired conductors
- Ratchet version of popular Telemaster™ Tool for RJ-45 and RJ-11 modular plugs
- Repeatable crimp action for consistent, high quality connections

Description	Cat. No.
Ratchet Telemaster™	30-696

Telemaster™ Telephone Tools



- For paired conductors
- Multi-function telephone tool cuts, strips and crimps for easy one-tool application
- Steel frame for long-term durability. (Crimps primary modular plug strain relief only)

Description	Kit Cat. No.	Tool Only Cat. No.
Tool for RJ-11 (1, 2, 3 pair) and RJ-45 (4 pair) Plugs	33-700*	30-496
Tool for RJ-45 (4 pair) & DECconnect MMJ (RJ-11, 3 pair)	N/A	30-497
Tool for RJ-11 (1, 2, 3 pair) & DECconnect MMJ (RJ-11, 3 pair)	N/A	30-498
Tool for RJ-22 (handset) and RJ-11 (1, 2, 3 pair)	N/A	30-499
Replacement Cut and Strip Blade Set for Telemaster™	N/A	LB-1747

*Kit includes 10 each, RJ-45 8P8C, RJ-11 6P6C and RJ-45 6P4C plugs.

Modular Plug Tool Kit



- Multi-function telephone/ network tool; cuts, strips and crimps
- Steel frame construction for durability
- Interchangeable dies allow for crimping RJ-45 and RJ-11 modular plugs
- Tool-less die change for added convenience
- Spring return handle for comfort

Description	Cat. No.
Modular Plug Tool Kit*	33-296

*Kit includes 10 each, RJ-45 8P8C and RJ-11 6P6C plugs.

D-Sub/Double-D Service Tool

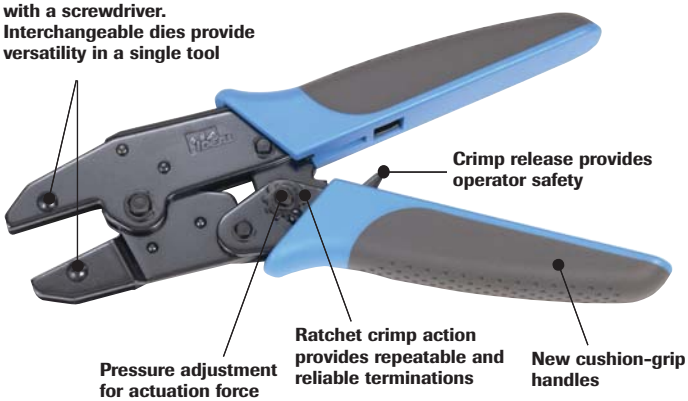
Exact replacement of the AMP open-barrel service tool for stamped contacts and D-Sub contacts. Also crimps Double-D, high density, miniature contacts. Includes openings for crimping insulated terminals and cutters for machine screws.



Description	Cat. No.
D-Sub/Double-D Service Tool	30-426

Crimpmaster™ Crimp Tools & Die Sets

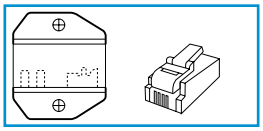
Dies change quickly and easily with a screwdriver. Interchangeable dies provide versatility in a single tool



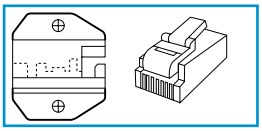
Description	Tool Cat. No.	Replacement Die Set Cat. No.
Crimpmaster™ Crimp Tool Frame	30-506	—
RJ-45 Eight-position Crimp Tool for AMP RJ-45 modular plugs	30-521	30-560
RJ-45 Eight-position Crimp Tool for keyed or non-keyed modular plugs	30-522	30-559
RJ-11 Crimp Tool for two, four or six-position modular plugs	—	30-556

Modular Plug Replacement Die Sets For Crimpmaster™ 30-506 Frame

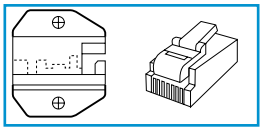
30-556
Crimpmaster™ RJ-11 die set for two, four or six-position modular plugs



30-559
Crimpmaster™ RJ-45 eight-position die set for keyed or non-keyed modular plugs (excluding AMP).
Tool w/die 30-522



30-560
Crimpmaster™ RJ-45 AMP die set for eight-position modular plugs. Primary strain relief crimp bar is located further back on die/modular plugs.
Tool w/die 30-521



Punch Down Tools



35-485



35-492



35-185

MADE IN THE USA **

Impact Turn-Lock™ Punch Down Tools	Cat. No.
Punchmaster™ II Punch Down Tool - body only	35-483
Punchmaster™ II Punch Down Tool w/110 blade	35-485
Punchmaster™ II Punch Down Tool w/66 blade	35-487
Non-Impact Turn-Lock™ Punch Down Tools	**Cat. No.**
Punch Down Tool - body only	35-491
Punch Down Tool w/110 blade	35-492
Punch Down Tool w/66 blade	35-493
Economy Punch Down Tool	**Cat. No.**
Non-impact Tool w/permanent non-cut blade**	35-185
Removable Blades*	**Cat. No.**
110 Turn-Lock™ blade	35-495
66 Turn-Lock blade	35-497
110/66 combo blade w/cutting edges	35-407
Krone® blade	35-478
Bix® blade	35-479

*Not applicable for Economy Punch Down tool.
**35-185 is made in Taiwan.
Bix® is a registered trademark of Nortel. Krone® is a registered trademark of Krone, Inc.



35-495
110 Blade



35-497
66 Blade



35-407
110/66 Blade



35-478
Krone® Blade



35-479
Bix® Blade

Economy Data and CATV Kit



Kit 33-915 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
Economy Coax Stripper	1	45-320
Economy UTP Stripper	1	45-167
Non-Impact Turn-Lock™ Tool w/110 Blade	1	35-492
Telemaster™ Telephone Tool	1	30-496
Economy Compression Tool	1	30-633
Mechanics Bag	1	35-535

Basic Data and Video Kit



Kit 33-916 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
UTP Stripper	1	45-165
Stripmaster® Wire Stripper for RG-6	1	45-262
Punchmaster™ II Punch Down Tool w/110 Blade	1	35-485
OmniSeal™ Pro XL Compression Tool	1	30-793
TRACETone™ Tone Generator & Amplifier Probe	1	62-140
VDV Multimedia Cable Tester	1	33-856
Journeyman Electrician's Tote™	1	35-462

Data/Video Kit



Kit 33-917 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Twist-a-Nut™ 7-in-1 Screwdriver	1	**35-908**
UTP Stripper	1	**45-165**
Coax Stripper w/Replaceable Cartridge	1	**45-526**
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
110/66 Blade Combo Punch Down Blade	1	**35-407**
Crimpmaster™ Crimp Tool for RJ-45 Modular Plugs	1	**30-522**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Probe Pic and Spudger	1	**35-473**
Coax Connector Tool - F & BNC	1	**35-046**
VDV MultiMedia Cable Tester	1	**33-856**
Amplifier Probe	1	**62-164**
Electrician's Scissors w/Stripping Notch	1	**35-088**
Large Mouth Bag — 13 in.	1	**35-410**

RJ-45/11 Two, Four, Six and Eight-Position Combination TelCom Termination Kit



Kit 33-704 Includes:

Description	Qty.	Cat. No.
Telemaster™ for RJ-11/RJ-45 Plugs	1	**30-496**
4-Position, RJ-11 Stranded Modular Plugs	15	**85-351**
6-Position, RJ-11 Stranded Modular Plugs	15	**85-352**
8-Position, RJ-45 Stranded Modular Plugs	15	**85-353**

Economy 10Base-T Kit



Kit 33-750 Includes:

Description	Qty.	Cat. No.
UTP/Coax Stripper	1	**45-165**
Telemaster™ RJ-11/RJ-45 Crimp Tool	1	**30-496**
8-Position RJ-45 Non-keyed Solid Plugs	50	**85-346**

Crimpmaster™ Twisted Pair Kit



Kit 33-651 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
UTP/Coax Stripper	1	**45-165**
Crimpmaster™ Frame Only	1	**30-506**
2,4,6-Position Die Set for RJ-11 Plugs	1	**30-556**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
8-Position Die Set for RJ-45, AMP Plugs	1	**30-560**
4-Position Solid Modular Plugs	50	**85-394**
8-Position RJ-45 Non-Keyed Solid Modular Plugs	50	**85-396**

Crimpmaster™ 10Base-T RJ-45 Crimping Kit



Kit 33-652 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
UTP/Coax Stripper	1	**45-165**
Crimpmaster™ Crimp Tool Frame only	1	**30-506**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
8-Position RJ-45 Non-Keyed Solid Plugs	200	**86-396**

Cable Service Kit



Kit 33-605 Includes:

Description	Qty.	Cat. No.
Punchmaster™ Punch Down Tool w/110 Blade	1	35-485
66 Blade Only	1	35-497
Electrician's Scissors w/Stripping Notches	1	35-088
UTP/STP Stripper	1	45-165
7-in-1 Twist-a-Nut™ Screwdriver	1	35-908
Probe Pic & Spudger	1	35-473
Tone Generator	1	62-160
Amplifier Probe	1	62-164
Journeyman's Electrician's Tote™	1	35-462

Deluxe Cable Service Kit



Kit 33-705 Includes:

Description	Qty.	Cat. No.
Punchmaster™ II Punch Down Tool w/110 Blade	1	35-485
66 Blade Only	1	35-497
Electrician's Scissors w/Stripping Notches	1	35-088
UTP/STP Stripper	1	45-165
7-in-1 Twist-a-Nut™ Screwdriver	1	35-908
Probe Pic & Spudger	1	35-473
Tone Generator	1	62-160
Amplifier Probe	1	62-164
Journeyman's Electrician's Tote™	1	35-462
Telemaster™ Telphone Tool, RJ-11/RJ-45	1	30-496
LinkMaster™ Tester and Remote	1	62-200

Cable Service/Termination Kit



Kit 33-861 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
Center Conductor Cutter	1	35-060
UTP/Coax Stripper	1	45-165
Coax Stripper w/black cassette	1	45-520
Crimpmaster™ RG-58/59 Crimp Tool	1	30-502
2, 4, 6-Position Die Set for RJ-11 Plugs	1	30-556
8-Position Die Set for RJ-45 Plugs	1	30-559
Punchmaster™ II Punch Down Tool w/66 Blade	1	35-487
Punchmaster™ II 110 Blade only	1	35-495
ABS™ Signal Thrower™	1	62-184
ABS™ Tester	1	62-180
LinkMaster™ Tester w/Remote	1	62-200
Cable Assemblies	1	K-7921

Twisted Pair/Coax Termination Kit



Kit 33-869 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	45-074
Scissors w/Stripping Notch	1	35-088
Center Conductor Cutter	1	35-060
UTP/Coax Stripper	1	45-165
Coax Stripper w/Black Cassette	1	45-520
Crimpmaster™ Frame Only	1	30-506
2,4,6-Position Die Set for RJ-11 Plugs	1	30-556
8-Position Die Set for RJ-45 Plugs	1	30-559
RG-58/59/62 BNC Die Set	1	30-581
Punchmaster™ II w/110 Blade	1	35-485
Punchmaster™ II 66 Blade Only	1	35-497
ABS™ Signal Thrower™	1	62-184
ABS™ Tester	1	62-180
ZipKit™ Carrying Case	1	35-419

Technician's Service Kit



Now includes 7-in-1 Screwdriver

Kit 33-505 Includes:

Description	Qty.	Cat. No.
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
Punchmaster™ II 66 Blade only	1	**35-497**
Electrician's Scissors w/stripping notches	1	**35-088**
UTP/STP Stripper	1	**45-165**
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	**35-908**
Probe Pick and Spudger	1	**35-473**
Nylon case	1	**62-205**

Installer's Kit



Kit 33-935 Includes:

Description	Qty.	Cat. No.
UTP/STP Stripper	1	**45-165**
Data T®-Cutter	1	**45-074**
Jab Saw	1	**35-275**
Large Mouth Bag – 18 in.	1	**35-427**
Punchmaster™ II 110 Blade only	1	**35-485**
110/66 Blade	1	**35-407**
Electrician's Scissors w/stripping notches	1	**35-088**
Torpedo Level	1	**35-205**
Mag-Tape™ Tape Measure	1	**35-238**
Tongue & Groove Pliers – 10 in.	1	**35-430**
5-in-1 Screwdriver/Nutdriver	1	**35-905**
Probe Pic and Spudger	1	**35-473**
Cable Cutter	1	**35-061**
Hammer – 18 oz. x 12-1/2 in.	1	**35-210**

Pro Installer's Kit



Kit 33-945 Includes:

Description	Qty.	Cat. No.
Large Mouth Bag – 18 in.	1	**35-427**
110/66 Blade	1	**35-407**
66 Blade only	1	**35-497**
Punchmaster™ II 110 Blade only	1	**35-485**
Lever™-Snips Electrician's Scissors	1	**35-087**
Probe Pic and Spudger	1	**35-473**
UTP/STP Stripper	1	**45-165**
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	**35-908**
Mag-Tape™ Tape Measure	1	**35-238**
Torpedo Level	1	**35-205**
Jab Saw	1	**35-275**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Coax Stripper - 2-Step	1	**45-526**
Smart-Grip™ Long-Nose Pliers – 7-3/4 in.	1	**35-3037**
Smart-Grip™ Tongue & Groove Pliers – 10 in.	1	**35-3430**
Tongue & Groove Pliers – 9-1/2 in.	1	**35-420**
Tone Generator	1	**62-160**
Amplifier Probe	1	**62-164**
Data T®-Cutter	1	**45-074**
Cable Splicing Knife w/holder	1	**35-091**
Ratchet Telemaster™, RJ-11/RJ-45	1	**30-696**
F-Connector Tool	1	**35-046**

Wall Plates


85-205


85-220


85-218


85-239


85-237


85-232

Telephone Wall Plates are listed and approved by the Underwriter's Laboratories and contain 50 micro inches of gold plating on the contacts.

Telephone Wall Plates - Standard Size (2-3/4 in. x 4-1/5 in.)

Description	Color	Qty.	Cat. No.
RJ-11, 2 Pair	Ivory	Card of 1	85-206
		Box of 100	86-206
	White	Card of 1	85-207
		Box of 100	86-207
	Almond	Card of 1	85-223
		Box of 100	86-223
Dual RJ-11, 2 Pair	Ivory	Card of 1	85-208
		Box of 100	86-208
	White	Card of 1	85-209
		Box of 100	86-209
RJ-11, 3 Pair	Almond	Card of 1	85-225
		Box of 100	86-225
Dual RJ-11, 3 Pair	Ivory	Card of 1	85-212
		Box of 100	86-212
	White	Card of 1	85-213
		Box of 100	86-213
RJ-45, 4 Pair	Ivory	Card of 1	85-214
		Box of 100	86-214
	White	Card of 1	85-215
		Box of 100	86-215
	Almond	Card of 1	85-227
		Box of 100	86-227
Dual RJ-45, 4 Pair	White	Card of 1	85-217
		Box of 100	86-217
RJ-11, 2 Pair Wall Mount Plate	Ivory	Card of 1	85-218
		Box of 100	86-218
	White	Card of 1	85-219
		Box of 100	86-219
	Almond	Card of 1	85-229
		Box of 100	86-229
CATV Coax	Ivory	Card of 1	85-200
		Box of 100	86-200
	White	Card of 1	85-201
		Box of 100	86-201
	Almond	Card of 1	85-220
		Box of 100	86-220
Dual CATV/Coax	Ivory	Box of 100	86-202
	White	Box of 100	86-203
Combo CATV/RJ-11	Ivory	Card of 1	85-204
		Box of 100	86-204
	White	Card of 1	85-205
		Box of 100	86-205
	Almond	Card of 1	85-222
		Box of 100	86-222

Telephone Wall Plates — Mid-Size (3-1/8 in. x 4-7/8 in.)

Description	Color	Qty.	Cat. No.
RJ-11, 2 Pair	Ivory	Card of 1	85-242
		Box of 100	86-242
	White	Card of 1	85-237
		Box of 100	86-237
	Almond	Card of 1	85-233
		Box of 100	86-233
Combo CATV/RJ11	Ivory	Card of 1	85-241
		Box of 100	86-241
	White	Card of 1	85-236
		Box of 100	86-236
	Almond	Card of 1	85-232
		Box of 100	86-232
CATV Coax	Ivory	Card of 1	85-239
		Box of 100	86-239
	White	Card of 1	85-234
		Box of 100	86-234
	Almond	Card of 1	85-230
		Box of 100	86-230
Dual CATV Coax	White	Box of 100	86-235

Surface Jacks







For initial installations where cable cannot be pulled through wall or for replacement of modular four-prong jacks.

Description	Color	Qty.	Cat. No.
RJ-11, 2 Pair	White	Card of 1	85-244
RJ-11, 2 Pair	Ivory	Card of 1	85-245
RJ-11, 2 Pair	Almond	Card of 1	85-246

Cables



85-770



85-780

- Customizable bulk cable
- Bulk CAT 5e solid 4-pair, CMR rated, 24 AWG, 350 MHz cable
- Bulk 2-conductor in-wall, 16 AWG speaker wire

Description	Cat. No.
CAT 5e Cable - 100 ft.	**85-780**
In-wall Speaker Wire - 50 ft.	**85-770**

Insulation Displacement Connectors (IDC)



85-900 85-925



85-950



45-719

IDC connectors create fast splice and tap connections on solid copper wires. Designed for low voltage telecommunication cables.

- Moisture-resistant sealant protects wires from corrosion
- Use with solid copper single-conductor wire
- Kinetic Super™ Wire Stripper/Crimper easily cuts and strips 22 to 24 AWG solid wire

Description	Qty.	Cat. No.
UB-I, 2-Wire Tap Splice IDC	25	**85-900**
UR-I, 3-Wire Butt Splice IDC	25	**85-925**
UY-I, 2-Wire Butt Splice IDC	25	**85-950**
UR-I, 2-Wire Butt Splice IDC	100	**86-925**
UY-I, 2-Wire Butt Splice IDC	100	**86-950**
UB-I, 2-Wire Tap Splice IDC	1,000	**87-900**
UR-I, 3-Wire Butt Splice IDC	1,000	**87-925**
UY-I, 2-Wire Butt Splice IDC	1,000	**87-950**
IDC Combo Pack	25	**85-960**
Kinetic Super™ Wire Stripper/Crimper	1	**45-719**

CAT 6 Modular Plugs



- Supports CAT 6
- Unique three-piece design provides easy installation and optimal performance
- Crimps with a standard RJ-45 crimp die
- 50 micron gold contacts, 8-position, 8-contact
- Suitable for solid or stranded conductors

Description	Qty.	Cat. No.
CAT 6 Modular Plugs	25	**85-366**

Modular Plugs



85-403 85-396 85-394

- All plugs comply with FCC 68 guidelines and are UL Listed
- Plugs are capable of supporting the latest EIA/TIA cable system performance categories when installed in compliance with appropriate EIA/TIA standards and methods
- Plugs offered for round cable with solid conductors and for flat cable and stranded conductors
- Position and contact configurations cover popular styles

Description	Qty.	Cat. No.
6-Position 4-Contact Flat Stranded	25	**85-351**
	50	**85-401**
	100	**86-401**
6-Position 6-Contact Flat Stranded	25	**85-352**
	50	**85-402**
	100	**86-402**
4-Position 4-Contact Flat Stranded (Handset)	100	**86-398**
8-Position 8-Contact Flat Stranded	25	**85-353**
	50	**85-403**
	100	**86-403**
6-Position 4-Contact Round Solid	25	**85-344**
	50	**85-394**
	100	**86-394**
6-Position 6-Contact Round Solid	100	**86-395**
8-Position 8-Contact CAT 6 Modular Plug	25	**85-366**
8-Position 8-Contact Round Solid	25	**85-346**
	50	**85-396**
	100	**86-396**











Coaxial Selection Chart

Compression Style



Cable	Cutter	Stripper	Crimper	Connector	Tester
CATV/SATV/F-type					
RG-59	45-074, 45-075	45-265, 45-603, 45-320	30-603, 30-793, 30-703, 30-720, 30-633	89-054, 89-104, 89-059, 89-159	33-856, 33-880 33-881, 33-887*
RG-6	45-074, 45-075	45-262, 45-603, 45-320	30-603, 30-793, 30-703, 30-720, 30-633	89-055, 89-105,89-060, 89-160	
RG-6 Quad Shield	45-074, 45-075	45-282, 45-603, 45-320	30-603, 30-793, 30-703, 30-720, 30-633	89-056, 89-106, 89-060, 89-160	
RG-6 & Quad 6 Plenum	45-074, 45-075	45-510	30-603, 30-793, 30-703, 30-720, 30-633	89-060P, 89-160P	
RG-11	45-074, 45-075	45-164, 45-510	30-603, 30-793, 30-720	89-011	
Minis	45-074, 45-075	45-529	30-603, 30-793, 30-703	89-014SM, 89-014SMRCA	
BNC					
RG-59	45-074, 45-075	45-265, 45-603, 45-320	30-603, 30-793, 30-703	89-058, 89-5058	
RG-6	45-074, 45-075	45-265, 45-603, 45-320	30-603, 30-793, 30-703	89-057, 89-5057	

Crimp Style



Cable	Cutter	Stripper	Crimper	Connector	Tester
CATV/SATV/F-Type					
RG-59	45-074, 45-075	45-265, 45-603, 45-320	30-503	85-036, 85-016	33-856, 33-880 33-881, 33-887*
RG-6	45-074, 45-075	45-265, 45-603, 45-320	30-503	85-037, 85-017, 86-017	
RG-6 Quad Shield	45-074, 45-075	45-282, 45-603, 45-320	30-503	85-057, 85-030, 86-030	
RG-6 Plenum	45-074, 45-075	45-282, 45-603	30-503	N/A	
RG-11	45-074, 45-075	45-164, 45-510	N/A	N/A	
BNC					
RG-59, Non-Plenum	45-074, 45-075	45-520	30-502, 30-483	85-513, 85-517, 85-502	
RG-6 Non-Plenum	45-074, 45-075	45-520	30-483	85-545	

*Need LA-4173 adapter.

Data T®-Cutter



Cuts round communication cable and maintains cable geometry for better cable performance. Data T®-Cutter cuts multi-pair cable up to .500 in. (12.7 mm) and coaxial cable up to RG-9/U. Blade cutting capabilities suitable for soft cables (not ACSR).

- Steel reinforced center conductors can be trimmed with bolt cutting holes
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch

Description	Cat. No.
Data T®-Cutter	45-074
Data T®-Cutter II	45-075

Center Conductor Cutter

Trims coax center conductor to 3/16 in. (4.8 mm) length for proper installation into a dual crimp coax connector.



Description	Cat. No.
Center Conductor Cutter	35-060

Economy Coax Cable Stripper

- For RG-6, RG-6 Quad and RG-59
- No adjustment required
- Strips center conductor & cable jacket



Description	Cat. No.
Coax Cable Stripper	45-320
Coax Connector Kit w/four RG-6 Push-On F-Connectors	33-320

Toggle® Coax Strippers

- Toggle® Tools for stripping Ethernet, Thinnet, RG-62 or RG-59 coax cable and other cable sizes



Description	Cat. No.
Coax Stripper for RG-8/11U	45-510
Coax Stripper for RG-6	45-513

Mini Coax Stripper

- Adjustable stripper for mini coax cable



NEW

Description	Cat. No.
Mini Coax Stripper	45-529

Coax/UTP Cable Stripper



NEW

- Features a primary and secondary active strip cartridge
- Strips UTP, RG-59, RG-6 Quad and RG-6 coax cable
- Rotates easily around finger
- Push-on ring for easy connector termination

Description	Cat. No.
Coax/UTP Cable Stripper	45-603
RG-6/6Q/59 Replacement Cartridge	LB-2726
UTP Replacement Cartridge	LB-2727

Coax Stripmaster® Wire Strippers



- Speeds 2-step cable stripping
- Spring-action operation grips and strips in one motion
- Knife-type blades feature multiple hole diameters sized for two step removal of outer jacket insulation and center conductor

Description	Coax Cable Type (RGU)	Repl. Blade Cat. No.	Cat. No.
Coax Stripmaster® for RG-6	RG-6	LB-740	45-262
Coax Stripmaster® for RG-59	RG-59	LB-743	45-265
Coax Stripmaster® for RG-6 Quad Shield	RG-6 Quad Shield	LA-3953	45-282

Round Cable Slitting and Ringing Tool



- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.75 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

Description	Cat. No.
Round Cable Slitting and Ringing Tool	45-144
Replacement Blades for 45-144 (2/pkg.)	LB-1748

Coax Strippers

- Specific adjustments needed for each cable size



Description	Replacement Cassette	Cat. No.
Coax Stripper - 3 Step • For crimp BNC and TNC conn. • Strips braid 0.240 in. or 6mm and Dielectric 0.240 in. or 6mm	45-522 (Black)	45-520
Coax Stripper - 3 Step • For dual crimp BNC/TNC and Thinnet BNC conn. • For 735A Belden® cable • Strips braid 0.328 in. or 8.2mm and dielectric 0.109 in. or 2.7mm	45-523 (Brown)	45-521
Coax Stripper - 2 Step • For F-Type, many single crimp BNC/TNC's, Twist-on BNC/TNC's, Twinax and UHF conn. • Strips 0.250 in. or 6.35mm	45-524 (Blue)	45-526

UTP/STP/Coaxial Cable Strippers

- Adjustable blades can be set for any depth to help ensure nick-free strips



Works Great on CAT 5 Cabling

Description	Typical RG Cables	Cat. No.
Coaxial Cable Stripper, up to 1/8 in. (3.2mm) O.D	RG-174, RG-187	**45-162** (Gray)
Coaxial Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.556mm) O.D.	RG-58 Mini Coax	**45-163** (Blue)
Coaxial Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D.	RG-11, RG-8	**45-164** (Blue)
Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D.	RG-59, UTP Cable	**45-165** (Black)
Replacement Blade Set* for 45-162, 45-163, 45-165	—	**L-9225**
Replacement Blade Set* for 45-164	—	**L-9226**

*A set of blades consists of three straight blades and one round blade.

Coax Strip and Crimp Tool



- Precision, form-ground stripping holes remove outer jacket and insulation from RG-59 and RG-6 coaxial cable
- Durable blades cut copper-coated steel conductors
- Three crimping nests for crimping F-connectors and ring terminals
- Cushioned, comfort-grip handles

Description	Cat. No.
Coax Strip & Crimp Tool	**30-433**
Coax Strip & Crimp Tool Kit w/ten RG-6 F-Connectors	**30-433F**

4-Way Indent Crimp Tools

Crimp solid barrel contacts for RS232 interface connectors. Feature four-way indent dies (per MS22520 specifications), full cycle ratchet, built-in pin and socket locator and comfort-grip handles.



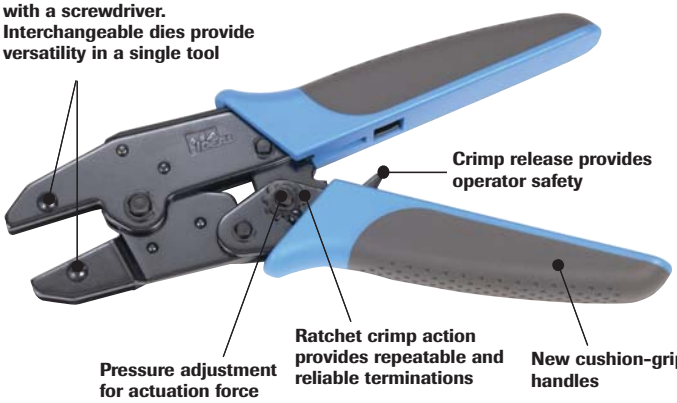
35-465

- High-grade steel construction for outstanding performance

Description	Cat. No.
20-26 AWG (.519 mm² - .128 mm²) RS232 D-sub Round Barrel Contacts, Pins or Sockets	**35-465**
16-22 AWG (1.31 mm² - .324 mm²) Round Barrel Contacts, Pins, Sockets and Deutsch 16 Pin Contacts	**35-466**
Trompeter BNC Connector Center Pins	**35-468**

Crimpmaster™ Crimp Tool Replacement Die Sets

Dies change quickly and easily with a screwdriver. Interchangeable dies provide versatility in a single tool



Crimp release provides operator safety

Pressure adjustment for actuation force

Ratchet crimp action provides repeatable and reliable terminations

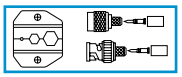
New cushion-grip handles

Coaxial Termination

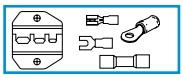
Description	Tool Cat. No.	Replacement Die Set Cat. No.
22-10 AWG (.324mm² - 5.261mm²) fully insulated slide-on connectors	—	**30-594**
Insulated Terminal Crimp Tool with built-in locator	**30-479**	—
22-12 AWG (.324mm² - 3.31mm²) Non-insulated open barrel crimp style connectors	—	**30-586**
RG-58, 59, 62 Non-plenum Cambridge BNC/TNC connectors	**30-481**	**30-573**
RG-8/11, RG-213, RG-216 Ethernet Thickwire, N-Series type plugs and jacks	**30-482**	**30-577**
RG-9, Belden® 8281® and RG-6 Cable, 50 & 75 Ohm	**30-483**	**30-578**
RG-58 and RG-174 cable for 50 and 75 Ohm cables	—	**30-587**
RG-174 Mini-59 Hex BNC/TNC coax connector	**30-485**	**30-576**
RG-58 and RG-59 Plenum cables, Thinwire PVC Hex	—	**30-591**
16-26 AWG (1.31mm² - 1.28mm²) Miniature insulated rings and splices	—	**30-572**
22-10 AWG (.324mm² - 5.261mm²) Insulated ring tongue terminals and splices	**30-500**	**30-579**
22-8 AWG (.3mm² - 8mm²) Non-insulated terminals and splices	—	**30-580**
RG-58 RG-59/62AU BNC/TNC 3-Piece Hex type connectors	**30-502**	**30-581**
CATV RG-59 and RG-6 Captive Ring F-connectors	**30-503**	**30-582**
RG-6, RG-174, Belden-Type RG-8281 cables	—	**30-570**
Mini UHF and BNC/TNC 5 cavity	—	**30-593**
30-18 AWG, Open barrel pins and sockets	—	**30-599**

Crimpmaster™ Crimp Tool Replacement Die Sets

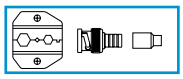
30-570 (Tool w/die N/A)
RG-6, RG-174, Belden-Type RG-8281 cables, Hex. 0.324 (8.23 mm), 0.178 (4.52 mm), 0.068 (1.73 mm)



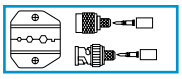
30-572 (Tool w/die N/A)
16-26 AWG (1.31 mm^2 - .128 mm^2) miniature insulated rings, spade and butt splices



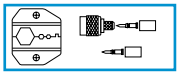
30-573 (Tool w/die 30-481)
Cambridge CP-88, CP-89 BNC/TNC coax connectors with RG-58, RG-59/62 AU cables (Hex 0.305 (7.75 mm), 0.068 (1.73 mm), 0.228 (5.79 mm)



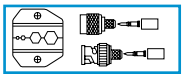
30-576 (Tool w/die 30-485)
RG-174, Mini 59 BNC/TNC Connectors, Hex. 0.178 (4.52 mm), 0.128 (3.25 mm), 0.068 (1.73 mm)



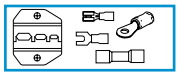
30-577 (Tool w/die 30-482)
N-Series and RG-8/11 Connectors, Hex. 0.429 (10.90 mm), 0.100 (2.54 mm), 0.080 (2.03 mm)



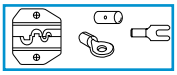
30-578 (Tool w/die 30-483)
RG-59, RG-6, and 8281 50 and 75 OHM cables (Hex, 0.324 (8.23 mm), 0.255 (6.48 mm), 0.068 (1.73 mm), 0.042 (1.07 mm)



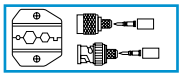
30-579 (Tool w/die 30-500)
22-10 AWG (.324 mm^2 - 5.261 mm^2) insulated terminals/ color coded nests



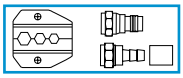
30-580 (Tool w/die N/A)
22-8 AWG (.3 mm^2 - 8 mm^2) non-insulated terminals



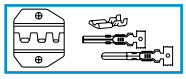
30-581 (Tool w/die 30-502)
RG-58, RG-59/62, BNC/TNC Coax Connectors, Hex, 0.255 (6.48 mm), 0.213 (5.41 mm), 0.068 (1.73 mm)



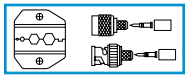
30-582 (Tool w/die 30-503)
F-type CATV RG-59, RG-6 Connectors, Hex. 0.350 (8.89 mm), 0.320 (8.13 mm), 0.255 6.48 mm)



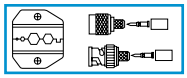
30-586 (Tool w/die N/A)
22-12 AWG (.324 mm^2 - 3.31 mm^2) Non Insulated Open Barrel Connectors, Commercial Type



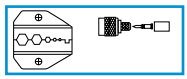
30-587 (Tool w/die N/A)
RG-58, RG-174 and RG-8218 for both 50 and 75 ohm cables (Hex 0.213 (5.41 mm), 0.178 (4.52 mm), 0.068 (1.73 mm), 0.042 (1.07 mm)



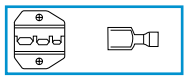
30-591 (Tool w/die N/A)
Plenum and Non-Plenum Thinwire Cables RG-58 and 59 (Hex, 0.213 (5.41 mm), 0.190 (4.83 mm), 0.068 (1.73 mm), 0.042 (1.07 mm)



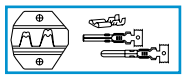
30-593 (Tool w/die N/A)
Mini UHF and BNC/TNC 5 cavity, Hex. 0.052 (1.32 mm), 0.068 (1.73 mm), 0.100 (2.54 mm), 0.213 (5.41 mm), 0.255 (6.48 mm)



30-594 (Tool w/die N/A)
Fully Insulated quick disconnect terminals with thinner wire barrels 22-10 AWG (.324 mm^2 - 5.261 mm^2)



30-599 (Tool w/die N/A)
30-18 AWG (.205 mm^2 - 2.08 mm^2) Open Barrel Pins and Sockets



F-Series Coaxial Crimp Connectors

F-Series Connectors utilize threaded couplings and cable conductors as contacts for CATV and other UHF applications.

	Description	Qty.	Cat. No.
	F-Series, Twist-on Plug, RG-59	Card of 4	**84-018**
		Card of 10	**85-035**
	F-Series, Crimp Plug, RG-59	Card of 4	**84-016**
		Card of 10	**85-036**
		Card of 50	**85-016**
	F-Series, Crimp Plug, RG-6	Card of 4	**84-017**
		Card of 10	**85-037**
		Card of 50	**85-017**
		Box of 100	**86-017**
	F-Series, Crimp Plug, RG-6, Quad Shield	Card of 4	**84-030**
		Card of 10	**85-057**
		Card of 50	**85-030**
		Box of 100	**86-030**
	F-Series, Female Adapter	Card of 10	**85-031**
	F-Series, Terminator	Card of 10	**85-038**
	F-Type, Twist-on RG-6	Card of 4	**84-039**
		Card of 10	**85-053**
		Card of 50	**85-039**
		Box of 100	**86-039**

OmniSeal™ Pro Compression Tools

NEW

The new IDEAL OmniSeal™ Compression Tools now offer additional features and increased connector compatibility in a smaller, more compact tool designed to meet the demands of the professional installer. OmniSeal requires no calibration or accessory attachment to terminate IDEAL branded compression connectors. Most other manufacturers compression connectors can be terminated with an easy plunger depth adjustment. The simple intuitive design combined with its size and universal connector acceptance makes this the only compression tool needed by professional installers.

- Factory preset to work with ALL IDEAL compression connectors
- Compress F-type, RCA, BNC and Mini connectors
- Adjustable to fit other manufacturer's connectors – no accessory adapters required
- Connectors approved for use by most satellite and cable TV companies



OmniSeal Pro
30-603



OmniSeal Pro XL
30-793

Description	Qty.	Cat. No.
OmniSeal™ Pro XL Compression Tool	1	**30-793**
OmniSeal™ Pro Compression Tool	1	**30-603**

	BNC	F-Type	RG11	RCA	Mini Coax
OmniSeal™ Pro XL 30-793	✓	✓	✓	✓	✓
OmniSeal™ Pro 30-603		✓	✓	✓	✓



OmniSeal™ Compression Tools

- Lightweight and durable composite material
- High leverage design reduces hand fatigue



Feature	OmniSeal™ XL 30-703	OmniSeal™ 11 30-720
For RG-6 & RG-59 Cables	X	X
Compresses RCA & F-Connectors	X	X
Compresses BNC Connectors	X	—
Works with IDEAL and PPC brand RCA connectors	X	X
For RG-11 cables	—	X

Economy Compression Tool

- Easily compresses series 6 and 59 coax compression F-connectors
- Permanent connection – never comes loose
- Works with most brands of compression connectors



Description	Cat. No.
Economy Compression Tool	**30-633**
Economy Compression Tool Kit - Includes four CMP RG-6 Connectors	**33-633**

Universal Compression Connectors

- Four universal connectors terminate all plenum RG-6, RG-6, RG-59 and RG-11 braid types from 60% through quad shielding
- One connector for all cable types within a given RG series
- Approved by most satellite and cable TV companies
- Approved for indoor/outdoor use



Description	Qty.	Cat. No.
Universal RG-59 Compression Connectors	Jar of 50	**89-059**
	Jar of 100	**89-159**
Universal RG-6 Compression Connectors	Jar of 50	**89-060**
	Jar of 100	**89-160**
Plenum RG-6 Compression Connectors	Jar of 50	**89-060P**
	Jar of 100	**89-160P**
Universal RG-11 Compression Connectors	Clam of 10	**89-011**

CMP Compression Connectors

- Approved for use by most cable TV and satellite companies
- RF signal containment ensures strong signal
- Permanent connections do not pull off or come loose
- One-piece design for quick installation
- Compression port seal provides a water-tight seal for outdoor applications



Description	Qty.	Cat. No.
RG-59 Compression F-Connector	50	**89-054**
RG-59 Compression F-Connector	100	**89-104**
RG-6 Compression F-Connector	4	**89-015**
RG-6 Compression F-Connector	10	**89-035**
RG-6 Compression F-Connector	50	**89-055**
RG-6 Compression F-Connector	100	**89-105**
RG-6 Quad Compression F-Connector	4	**89-016**
RG-6 Quad Compression F-Connector	50	**89-056**
RG-6 Quad Compression F-Connector	100	**89-106**

Compression F-Connector Port Seals

- For use with IDEAL RG-6, RG-6 Quad and RG-59 F-Style compression connectors to make connections water tight



Description	Qty.	Cat. No.
Port Seals	5	**89-026**

BNC Compression Connectors

- Color coded by cable series for easy identification
- Approved for indoor/outdoor use



Description	Qty.	Cat. No.
BNC RG-6 Compression Connector	Clam of 15	**89-057**
BNC RG-6 Compression Connector	Jar of 50	**89-5057**
BNC RG-59 Compression Connector	Clam of 15	**89-058**
BNC RG-59 Compression Connector	Jar of 50	**89-5058**

Mini Compression Connectors

- For use with most 21-25 AWG mini coax cable
- Body is nickel plated for outstanding corrosion resistance
- Mini RCA head is gold plated for superior contact performance
- Bandwidth is 5 MHz - 3 GHz, Impedence is 75 Ohms (nominal), return loss min. -30 dB @ 3 GHz

NEW



F-Connector



RCA Connector

Description	Qty.	Cat. No.
Mini Compression F-Connector	10	**89-014SM**
Mini Compression RCA Connector	10	**89-014SMRCA**

Push-on F-Connectors

- Permanent connection
- No termination tool needed



Description	Qty.	Cat. No.
RG-6 Push-on F-Connectors	4	**85-065**
RG-6Q Push-on F-Connectors	4	**85-066**
RG-59 Push-on F-Connectors	4	**85-067**
RG-6 Push-on F-Connectors	50	**89-165**
Coax Connector Kit w/Economy Coax Stripper & four RG-6 Push-On F-Connectors	—	**33-320**

Coax Connector Tool - F & BNC

- Works on compression and hex connectors
- Makes attaching (and detaching) connector to equipment easier
- Aids in installing CATV connectors on coax cable
- New comfort grip handle



NEW

Description	Cat. No.
Coax Connector Tool - F & BNC — 8 in. overall (3 in. blade)	**35-046**

Cable TV Splitters


85-032


85-033


85-034

Description	Qty.	Cat. No.
CATV Cable Splitter, 5-900 MHz, 2-Way	Card of 1	85-032
	Box of 10	86-432
CATV Cable Splitter, 5-900 MHz, 3-Way	Card of 1	85-033
	Box of 10	86-433
CATV Cable Splitter, 5-900 MHz, 4-Way	Card of 1	85-034
High Performance Cable Splitter, 5MHz-1GHz 2-Way	Card of 1	85-132
	Box of 10	86-132
High Performance Cable Splitter, 5MHz-1GHz 3-Way	Card of 1	85-133
	Box of 10	86-133
High Performance Cable Splitter, 5MHz-1GHz 4-Way	Card of 1	85-134
	Box of 10	86-134

Satellite and Digital TV Splitters

85-332



85-333



85-334



- Designed for easy mounting over cable
- All ports are F female connectors, 75Ω
- Two grounding screws eliminate the need for grounding block
- Includes two mounting screws (Phillips/slotted head)

Description	Qty.	Cat. No.
2-Way, 5MHz - 2.3GHz	1	85-332
3-Way, 5MHz - 2.3GHz	1	85-333
4-Way, 5HMz - 2.3GHz	1	85-334

8-Way Digital Cable Splitter

NEW

- Nickel-plated housing
- High-performance impedance-balanced Printed Circuit Board design
- Bandwidth: 5MHz - 1 GHz Impedance: 75 Ohm
- Over 120 dB of RFI shielding
- Low insertion loss
- Splits signals up to 8 outlets
- Terminators (85-038) needed for all unused ports for optimal performance



Description	Cat. No.
Digital Cable Splitter, 8-Way	85-138

Diplexer, 2.3 GHz

NEW



- Combine or split cable/antenna signals with satellite signals
- High quality PCB design
- Corrosion-resistant sealed construction
- Nickel-plated die-cast zinc housing
- Grounding hole for up to 6 AWG wire

Description	Cat. No.
Diplexer, 2.3 GHz, SATV/TV Combiner Splitter	85-323

Grounding Block



NEW

- Solid zinc alloy, nickel plated and chromate finished
- High performance 360° beryllium copper contact
- Excellent electrical performance 0 - 3,000 MHz
- UL/CSA approved

Description	Cat. No.
2-Port Grounding Block for F-Connectors	85-311

CATV Wall Plates


85-205


85-220


85-239


85-232

Telephone Wall Plates are listed and approved by the Underwriter's Laboratories and contain 50 micro inches of gold plating on the contacts.

Description - Standard Size 2-3/4 in. x 4-1/2 in.	Color	Qty.	Cat. No.
CATV Coax	Ivory	Card of 1	85-200
		Box of 100	86-200
	White	Card of 1	85-201
		Box of 100	86-201
	Almond	Card of 1	85-220
		Box of 100	86-220
Dual CATVCoax	Ivory	Box of 100	86-202
	White	Box of 100	86-203
Combo CATV/RJ-11	Ivory	Card of 1	85-204
		Box of 100	86-204
	White	Card of 1	85-205
		Box of 100	86-205
	Almond	Card of 1	85-222
		Box of 100	86-222
Description - Mid-Size 3-1/8 in. x 4-7/8 in.	**Color**	**Qty.**	**Cat. No.**
Combo CATV/RJ11	Ivory	Card of 1	85-241
		Box of 100	86-241
	White	Card of 1	85-236
		Box of 100	86-236
	Almond	Card of 1	85-232
		Box of 100	86-232
CATV Coax	Ivory	Card of 1	85-239
		Box of 100	86-239
	White	Card of 1	85-234
		Box of 100	86-234
	Almond	Card of 1	85-230
		Box of 100	86-230
Dual CATV Coax	White	Box of 100	86-235

Economy Data and CATV Kit



Kit 33-915 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Economy Coax Stripper	1	**45-320**
Economy UTP Stripper	1	**45-167**
Non-Impact Turn-Lock™ Tool w/110 Blade	1	**35-492**
Telemaster™ Telephone Tool	1	**30-496**
Economy Compression Tool	1	**30-633**
Mechanics Bag	1	**35-535**

Basic Data and Video Kit



Kit 33-916 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
UTP Stripper	1	**45-165**
Stripmaster® Wire Stripper for RG-6	1	**45-262**
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
TRACETone™ Tone Generator & Amplifier Probe	1	**62-140**
VDV Multimedia Cable Tester	1	**33-856**
Journeyman Electrician's Tote™	1	**35-462**

Compression Connector Installation Kit

NEW



Kit 33-623 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Coax Cable Stripper	1	**45-320**
Economy Compression Tool	1	**30-633**
Pouch w/belt clip	1	—

Data/Video Kit



Kit 33-917 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Twist-a-Nut™ 7-in-1 Screwdriver	1	**35-908**
UTP Stripper	1	**45-165**
Coax Stripper w/Replaceable Cartridge	1	**45-526**
Punchmaster™ II Punch Down Tool w/110 Blade	1	**35-485**
110/66 Blade Combo Punch Down Blade	1	**35-407**
Crimpmaster™ Crimp Tool for RJ-45 Modular Plugs	1	**30-522**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Probe Pic and Spudger	1	**35-473**
Coax Connector Tool - F & BNC	1	**35-046**
VDV MultiMedia Cable Tester	1	**33-856**
Amplifier Probe	1	**62-164**
Electrician's Scissors w/Stripping Notch	1	**35-088**
Large Mouth Bag — 13 in.	1	**35-410**

Economy CATV Compression Kit



Kit 33-621 Includes:

Description	Qty.	Cat. No.
Economy Compression Tool	1	**30-633**
Data T®-Cutter	1	**45-074**
Economy Coax Stripper	1	**45-320**
Zipper Pouch	1	**35-402**
RG-6 CMP Compression Connectors	4	**89-015**

Crimpmaster™ F-Type (CATV) Connectors Kit



Kit 33-400 Includes:

Description	Qty.	Cat. No.
Crimpmaster™ CATV Crimp Tool	1	**30-503**
F-Connector, Crimp-on RG-59 Plugs	20	**85-016**
F-Connector, Crimp-on RG-6 Plugs	20	**85-017**

Residential Compression Kit



Kit 33-625 Includes:

Description	Qty.	Cat. No.
OmniSeal™ Pro Compression Tool	1	**30-603**
Mechanic's Tool Bag	1	**35-535**
Data T®-Cutter	1	**45-074**
Coax Stripmaster® Wire Stripper for RG-6	1	**45-262**
Stripmaster® RG-6 Quad Shield Repl. Blade	1	**LA-3953**
Universal RG-6 Compression Connectors	50/jar	**89-060**

Economy Compression Kit



Kit 33-620 Includes:

Description	Qty.	Cat. No.
Economy Tool	1	**30-633**
Data T®-Cutter	1	**45-074**
Coax Stripper	1	**45-526**
RG-59 Compression F-Connectors	10	**89-054**
RG-6 Quad Compression F-Connectors	10	**89-056**
RG-6 Compression F-Connectors	20	**89-055**

Service Compression Kit



Kit 33-630 Includes:

Description	Qty.	Cat. No.
Universal RG-6 Compression Connectors	50	**89-060**
Plenum RG-6 Compression Connectors	10	**89-060P**
BNC RG-59 Compression Connectors	10	**89-058**
BNC RG-6 Compression Connectors	10	**89-057**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Compression F-Connector Port Seals	5	**89-026**
Data T®-Cutter	1	**45-074**
Coax Stripmaster® Wire Stripper for RG-6	1	**45-262**
Replacement Blade for 45-262	1	**LA-3953**

Cable Service/Termination Kit



Kit 33-861 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Center Conductor Cutter	1	**35-060**
UTP/Coax Stripper	1	**45-165**
Coax Stripper w/black cassette	1	**45-520**
Crimpmaster™ RG-58/59 Crimp Tool	1	**30-502**
2, 4, 6-Position Die Set for RJ-11 Plugs	1	**30-556**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
Punchmaster™ II Punch Down Tool w/66 Blade	1	**35-487**
Punchmaster™ II 110 Blade only	1	**35-495**
ABS™ Signal Thrower™	1	**62-184**
ABS™ Tester	1	**62-180**
LinkMaster™ Tester w/Remote	1	**62-200**
Cable Assemblies	1	**K-7921**

Twisted Pair/Coax Termination Kit



Kit 33-869 Includes:

Description	Qty.	Cat. No.
Data T®-Cutter	1	**45-074**
Scissors w/Stripping Notch	1	**35-088**
Center Conductor Cutter	1	**35-060**
UTP/Coax Stripper	1	**45-165**
Coax Stripper w/Black Cassette	1	**45-520**
Crimpmaster™ Frame Only	1	**30-506**
2, 4, 6-Position Die Set for RJ-11 Plugs	1	**30-556**
8-Position Die Set for RJ-45 Plugs	1	**30-559**
RG-58/59/62 BNC Die Set	1	**30-581**
Punchmaster™ II w/110 Blade	1	**35-485**
Punchmaster™ II 66 Blade Only	1	**35-497**
ABS™ Signal Thrower™	1	**62-184**
ABS™ Tester	1	**62-180**
ZipKit™ Carrying Case	1	**35-419**

RG-6 Push-on Connector Kit



Kit 33-320 Includes:

Description	Qty.	Cat. No.
RG-6 Push-On Connectors	4	**85-065**
2-Step 59 & 6 Series Stripper	1	**45-320**

Pro Installer Kit



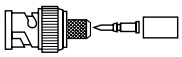
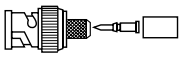
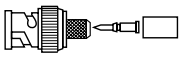
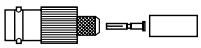
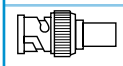
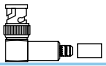
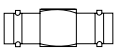
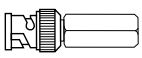
Kit 33-945 Includes:

Description	Qty.	Cat. No.
Large Mouth Bag – 18 in.	1	**35-427**
110/66 Blade	1	**35-407**
66 Blade only	1	**35-497**
Punchmaster™ II 110 Blade only	1	**35-485**
Lever™-Snips Electrician's Scissors	1	**35-087**
Probe Pic and Spudger	1	**35-473**
UTP/STP Stripper	1	**45-165**
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	**35-908**
Mag-Tape™ Tape Measure	1	**35-238**
Torpedo Level	1	**35-205**
Jab Saw	1	**35-275**
OmniSeal™ Pro XL Compression Tool	1	**30-793**
Coax Stripper - 2-Step	1	**45-526**
Smart-Grip™ Long-Nose Pliers – 7-3/4 in.	1	**35-3037**
Smart-Grip™ Tongue & Groove Pliers – 10 in.	1	**35-3430**
Tongue & Groove Pliers – 9-1/2 in.	1	**35-420**
Tone Generator	1	**62-160**
Amplifier Probe	1	**62-164**
Data T®-Cutter	1	**45-074**
Cable Splicing Knife	1	**35-091**
Ratchet Telemaster™	1	**30-696**
F-Connector Tool	1	**35-046**

BNC Coaxial Connectors

IDEAL coaxial connectors are available in two grades. A premium specification grade features precision machined brass bodies with nickel plating. The commercial grade consists of machined diecast components with nickel plating. A variety of connectors handle different termination types, cable size, impedance rating and attachment means.

- Connector construction covers both plenum and non-plenum cable jackets
- Captive gold center contacts provide maximum conductivity and minimal resistance
- Nickel plating resists corrosion, tarnish and ensures signal quality
- Meets military specifications. MS39012 and MIL202 where applicable.
- Available in both small and bulk quantities to suit a range of application requirements

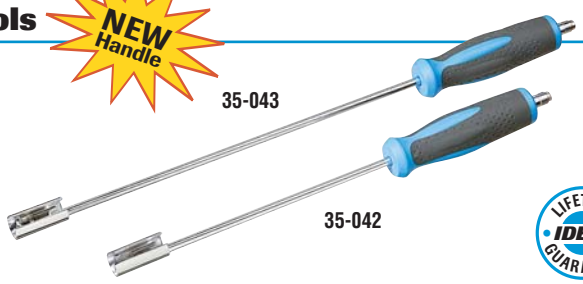
	Connector Type	Cable Type	Center Conductor	Jacket	Connector Impedance	Connector Grade	Insulation	Model	Qty.	Cat. No.
	BNC Plug	RG-58	20 AWG Solid	Non-Plenum	50 Ohm	Commercial	Delrin	IA-3620	Bag of 5	**85-490**
	BNC Plug	RG-58	20 AWG Solid	Non-Plenum	50 Ohm	Specification	Delrin	IA-3621	Bag of 5	**85-491**
	BNC Plug	RG-59	20 AWG Solid	Non-Plenum	75 Ohm	Commercial	Delrin	IA-3617	Bag of 5	**85-502**
									Box of 100	**86-502**
	BNC Plug	RG-59	20 AWG Solid	Plenum	75 Ohm	Commercial	Delrin	IA-3618	Bag of 5	**85-512**
	BNC Plug	RG-59	22-23 AWG Solid	Non-Plenum	75 Ohm	Commercial	Delrin	IA-3624	Bag of 5	**85-513**
	BNC Plug	RG-59	22-23 AWG Solid	Plenum	75 Ohm	Commercial	Delrin	IA-3626	Bag of 5	**85-515**
	BNC Plug	RG-59	22-23 AWG Solid	Non-Plenum	50 Ohm	Specification	Delrin	IA-3592	Bag of 5	**85-517**
	BNC Plug	RG-6	18 AWG Solid	Non-Plenum	75 Ohm	Specification	Delrin	IA-3634	Bag of 5	**85-545**
	BNC Plug	Belden 8281	20 AWG Solid	Non-Plenum	75 Ohm	Specification	Delrin	IA-3636	Bag of 5	**85-550**
	BNC Jack	RG-59	22-23 AWG Solid	Non-Plenum	75 Ohm	Specification	Teflon	IA-3638	Bag of 5	**85-553**
	BNC Terminator	—	—	—	50 Ohm	Specification	Delrin	IA-3641	Bag of 5	**85-556**
	90° BNC Plug	RG-6	18 AWG Solid	Non-Plenum	75 Ohm	Specification	Delrin	IA-3659	Bag of 5	**85-575**
	BNC Tee Adapter	—	BNC Tee Adapter	—	50 Ohm	Commercial	Delrin	IA-3667	Bag of 5	**85-588**
	BNC Adapter		Jack to Jack		50 Ohm	Specification	Delrin	IA-3668	Bag of 5	**85-590**
	BNC Twist-on Plug	RG-59	22-23 AWG Solid	Non-Plenum	50 Ohm	Commercial	Delrin	IA-3677	Bag of 5	**85-480**

BNC/TNC & F-Series Connector Removal Tools

NEW Handle

- BNC/TNC connector removal tools for easy access to high density locations of connectors.

Description	Cat. No.
12 in. (30.5 cm) Overall Length, 8 in. (20.3 cm) Blade Length	**35-042**
16 in. (40.6 cm) Overall Length, 12 in. (30.4 cm) Blade Length	**35-043**





Fiber Optic Products

Simplex/Duplex 3mm Jacket Stripper



- Designed to remove the jacket from 3mm Simplex or Duplex (zip cord) fiber optic cable
- Form-ground, knife-type blades for accurate easy stripping without damaging the fiber or Kevlar® strength member
- Contoured, comfort-grip handles to reduce operator fatigue

Description	Cat. No.
Simplex/Duplex 3mm Jacket Stripper	**45-349**

Note: Kevlar® is a registered trademark of DuPont.

Stripmaster® Ribbon Fiber Jacket Stripper



- Removes jacket from Ribbon Fiber without damage to the Kevlar® strength member of the Ribbon Fiber

Note: Frame and blade-set sold separately.

Description	Cat. No.
Stripmaster® Frame only	**L-5620**
Blade-set for use with Corning Plenum and Riser Ribbon Fiber Cable	**LB-1152**
Blade-set for use with Corning "Fanout" Ribbon Cable	**LB-1153**

Note: Kevlar® is a registered trademark of DuPont.

Serrated Cutter (For Kevlar®) with Breaker Notch



- Two-Step process significantly increases the life of this rugged tool
- Superior quality high-carbon stainless steel with molybdenum and vanadium provides the super-hard edges needed to stand up to the demands of today's market
- Textured cushioned-grip handles
- Value-priced for contractors, cable assembly houses, fiber installers/technicians and tool kits

Description	Cat. No.
Serrated Cutter w/Breaker Notch (Patent pending)	**45-344**

Note: Kevlar® is a registered trademark of DuPont.

MiniLite-Strip™ Optical Fiber Stripper



- Small strip notch engineered and precision-ground to strip 900 micron or 250 micron buffer coatings from 125 micron fiber
- Larger round strip notch machined to remove the 3mm outer jacket
- Strip notches pre-set and locked, no field adjustment necessary

Description	Cat. No.
MiniLite-Strip™ Optical Fiber Stripper	**45-352**

Lite-Strip™ Optical Fiber Stripper

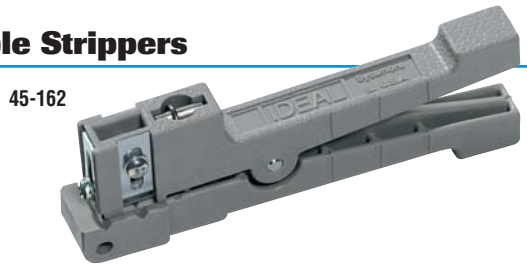


V-notch blades strip a wide range of outer cable jacket. Precision-ground, replaceable knife-type blades strip tight buffer tube insulations (900µm). Also strips mechanically strippable coatings from 250 microns to 900 microns.

- Replaceable precision-ground blades cleanly strip buffer coatings
- New funneled hole makes cable insertion easier
- Improved spring mounting returns handles to original position after every application
- One-step, 900 micron stripping hole provides broader stripping range
- Extra durable to withstand normal drops without requiring tool realignment
- New gauge color makes fiber and hole identification easier
- Improved comfort-grip handles for an easier, more comfortable stripping process

Description	Fiber Sizes	Cat. No.
Lite-Strip™ Optical Fiber Stripper (900µm/250µm)	125µm, 140µm	**45-350**

Cable Strippers

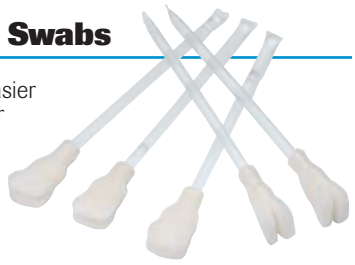


This lightweight, compact stripper is inexpensive and simple to operate.

- Adjustable blades can be set for any depth to help ensure nick-free strips
- Use with twisted-pair wire, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, SJ, SJT and other types of flexible power cords
- Includes three straight and one round blade

Description	Cat. No.
Cable Stripper, up to 1/8 in. (3.2 mm) O.D., Gray	**45-162**
Cable Stripper, 1/8 in. (3.2 mm) to 7/32 in. (5.556 mm) O.D., Blue	**45-163**
Replacement Blade Set for 45-162, 45-163, 45-165	**L-9225**

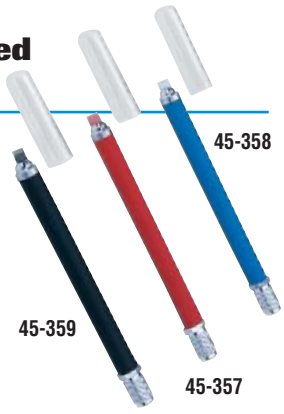
Split-Tip Fiber Optic Swabs



- Split-tip design cleans fiber easier and more efficiently than other methods
- Tube/handle is pre-loaded with 99% isopropyl alcohol
- A single swab can be used for many cleanings or until the alcohol is gone

Description	Qty.	Cat. No.
Split-Tip Fiber Optic Swabs	20/bag	**45-360**

DualScribe™ Double-Ended Fiber Optic Scribes



- Three professional quality blade styles to choose from to meet your specific needs – Ruby, Sapphire, Carbide
- Color-coded handles for quick, easy identification
  Red – Ruby
  Blue – Sapphire
  Black – Carbide
- 30° single bevel – DualScribe™ reversible blade doubles tool life
- Soft non-slip grip provides precise control during scribing
- Clear safety cap protects the blades from damage when not in use

Description	Handle Color	Cat. No.
Ruby Blade Fiber Optic Scribe	Red	**45-357**
Sapphire Blade Fiber Optic Scribe	Blue	**45-358**
Carbide Blade Fiber Optic Scribe	Black	**45-359**

Plastic Polishing Fixture



- Universal fitting accepts all ST®, SC and FC connectors with 2.5mm ferrules
- Economically priced
- Grooved face for polishing efficiency
- Precision tool used by manufacturers, contractors and in tool kits

Description	Cat. No.
Plastic Polishing Fixture	**45-342**

Note: ST® is a registered trademark of AT&T.

Stainless Steel Polishing Fixture for Optical Fiber ST® and SC Type Connectors



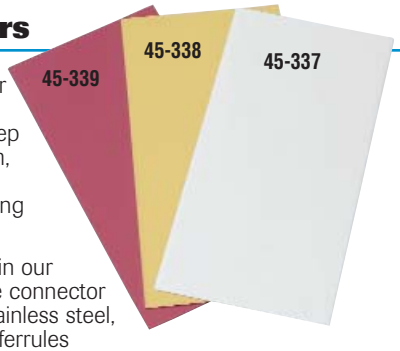
Produces polished fiber optic ST® and SC type connectors for optimum connector performance.

- Precision-machined, stainless-steel disk provides accurate polishing angle for desired end face finish
- Stainless-steel hardness maintains long life and resists uneven wear
- Stepped surface reduces drag and friction for easier polishing

Description	Qty.	Cat. No.
Polishing Fixture for Optical Fiber SC/ST® Type Connectors	1	**45-341**

Note: ST® is a registered trademark of AT&T.

Polishing Films for Fiber Optic Connectors



- For optimum connector polishing results, we recommend a three-step procedure using 0.5µm, 3µm and 12µm 3" x 6" aluminum oxide polishing films
- Lot-to-lot consistency in our films means repeatable connector finishes on ceramic, stainless steel, plastic and composite ferrules
- A single sheet will typically yield 10 to 20 connectors when using the recommended 3-step procedure

Description	Color	Qty.	Cat. No.
0.5µm, 3" x 6", Aluminum Oxide	Ivory	20 films/sleeve	**45-337**
3.0µm, 3" x 6", Aluminum Oxide	Lt. Yellow	20 films/sleeve	**45-338**
12µm, 3" x 6", Aluminum Oxide	Lt. Red	20 films/sleeve	**45-339**

Fiber Inspection Microscope

45-332



- 100X magnification for viewing multimode connectors
- Includes 2.5mm connector "Universal Adapter" for FC, ST® and SC style connectors
- Oblique illumination provides excellent view of ferrule cleanliness and core condition
- Rugged, rubberized metal housing, precision glass optics and a built-in laser safety filter
- White LED illumination delivers 100,000 hours bulb life
- Soft padded carrying case included
- Battery life 48+ hours
- Compact size 7.5" x 1.96" x 1.18"
- Optional 200X Conversion Eyepiece threads on for viewing finish/polish of singlemode connectors

Description	Cat. No.
Fiber Inspection Microscope	**45-332**
1.25mm Connector Adapter — LC Connectors	**45-334**
MTRJ-Style Connector Adapter	**45-335**
200X Conversion Eyepiece for Singlemode Connectors	**45-336**

Note: ST® is a registered trademark of AT&T.

VFF5 Visual Fault Finder



Laser light source used to locate breaks, faulty splices and crimps

- Universal 2.5mm interface connects directly to ST®, SC and FC connectors
- Assists in the termination of "no-polish" connectors by indicating proper cleave alignment in connectors such as the MTRJ
- Non-roll design — essential for bench top use when terminating mechanical splices or internal-splice connectors
- Rugged, metal body with protective Santoprene® over-sleeve
- Battery and case included

Description	Cat. No.
Visual Fault Finder	**VFF5**

Note: ST® is a registered trademark of AT&T.


LANTEK 7G
1 GHz Certifier


VDV MultiMedia
VOICE
VIDEO
DATA
TONE
Remote


LinkMaster-PRO XL


SecurITEST


IDEAL
SIGNALTEK FO
03/20/2006 11:56
Setup
IDEAL
AutoTest
Manual
Job
1001
Cable
Fiber
Test
Result
Wiremap/Length
Running
Link Establishment
Pending
DHCP
Pending
Ping
Pending
Run
TEMP Copy
Recall Test
Setup
Multimedia Qualification Tester
F1
F2
F3
F4
Autotest
ENTER
1 .-_
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
* SHIFT
0 SPACE
←ESC

SIGNALTEK™-FO Multimedia Qualification Tester

NEW

SIGNALTEK-FO is the first Qualification tester that offers both copper and fiber optic testing; and SIGNALTEK-FO does it for less than the price of an Optical Test Set alone.



- Fiber Optic and Copper Gigabit Qualification – Qualify copper and fiber-optic cabling to IEEE 802.3 standards
- Multimedia Gigabit Qualification (Multimode and Single Mode capability) – Qualify short and long range cabling to a distance of up to 10km
- BERT and Optical Attenuation Measurements – Perform Bit Error Rate Testing and decibel (dB) loss measurements of optical links.
- Dual Wavelength Capability – available in both 850nm and 1300nm wavelengths to support virtually all LAN and campus fiber applications.
- Small Form factor Pluggable (SFP) modules are compact, light-weight and field changeable.
- Storage and Reporting for Thousands of Reports – Store and print Qualification reports for copper and fiber jobs using internal memory or USB "thumb-drives".

Description	Cat. No.
SIGNALTEK™-FO w/850 Modules	**33-981**
SINGALTEK™-FO w/13X0 Modules	**33-982**
SIGNALTEK™-FO w/850 & 13X0 Modules	**33-983**
SIGNALTEK™-FO w/o Modules (Fiber-Ready)	**33-987**

#33-983



SIGNALTEK™-FO Specifications

Ports/Connections

- USB A/B, DC power input
- Shielded RJ-45 Port: Supports 10/100/1000Mbps Ethernet connections
- Small Form-factor Pluggable (SFP): Supports IDEAL SFP modules in 850nm and 1300nm wavelengths, 1000Mbps Ethernet

SFP-850 – 850nm Module

- Class 1 Laser EN60825-1
- Compatible fiber types: 50/125mm or 62.5/125mm graded index multimode fiber
- Power Output (dBm): -9.5min, -3max
- Receiver Power Range (dBm): 0 to -20
- Max Link Length: 550m (1800ft) on 50/125mm fiber; 300m (985ft) on 62.5/125mm fiber
- Operating Temperature: -10 to 85°C (14 to 185°F), 85% RH non-condensing

SFP-13X0 – 1300nm Module

- Class 1 Laser EN60825-1
- Compatible fiber types: 50/125mm or 62.5/125mm graded index multimode fiber and 9/125mm step index single mode fiber
- Power Output (dBm): -9min, -2.5max
- Receiver Power Range (dBm): 0 to -22
- Max Link Length: 550m (1800ft) on 50/125mm fiber; 300m (985ft) on 62.5/125mm fiber; 10km (6.2mi) on 9/125mm fiber
- Operating Temperature: -10 to 85°C (14 to 185°F), 85% RH non-condensing

Length Measurement

- RJ-45 Port: TDR length measurement of 1-4 pair cables to 140m/460 ft.
- SFP Port: No length measurement of fiber optic cables

Bert Error Rate Measurements

- Copper: 10/100/1000Mbps. Error rates tested to IEEE 802.3ab standard
- Fiber: 1000Mbps. Error rates tested to IEEE 802.3ab standard.

Battery Life: Standard AA Alkaline Batteries

- Copper Testing: Approx 15 hours @ 22 tests per hour (45s Autotest)
- Fiber Testing: Recommend use of AC adapters when testing fiber

SIGNALTEK™ Cable Performance Tester



SIGNALTEK™ provides a technically innovative method to test and document performance of voice, data, video, and VoIP applications for cabling installers and network technicians. It tests the link's ability to support applications by transmitting Ethernet packets on the wire and measuring the link performance according to IEEE 802.3ab Gigabit Ethernet standard. By monitoring transmitted and received data packets, it can report the BERT (Bit Error Rate Test) for the link. It uses the latest generation of Gigabit Ethernet technology to provide the best performance to this new class of testers.

Features of SIGNALTEK™

- ***Unique –*** Simulate real world network traffic with full-duplex gigabit performance testing
- ***Unique –*** User selectable 10/100/1000 Bit Error Rate Testing (BERT) to ensure performance for all Ethernet devices
- ***Unique –*** Smart autotest function detects line condition and automatically chooses appropriate test to run to allow testing cable that is terminated with a SIGNALTEK remote, a network device or unterminated
- ***Unique –*** Save time using the remote to perform 10/100 or gigabit service detection AND initiate an Autotest when main unit is connected
- ***Unique –*** Maximum flexibility with two USB ports. Connect to a computer to upload test results, connect directly to a printer or connect a USB memory drive for unlimited storage
- ***Unique –*** Get maximum coverage with a full two-year warranty
- ***Unique –*** Configure multiple target IP addresses for pinging several network devices to ensure communications with servers, printers, IP cameras, home automation controls, etc.
- Offers network interrogation tools such as link establishment, port LED blink and ping
- Exceeds 100m measurement distance required by IEE 802.3ab gigabit Ethernet standard
- Easy-to-read Pass/Fail performance reports that can be stored and printed for customer documentation
- Multiple BERT configurations for VoIP, data, and video-over-IP specific testing
- Brilliant high-resolution color display visible in any lighting condition
- Uses readily available AA batteries
- Wiremap faults easily with selectable 568 A/B color coding
- TDR to accurately measure length and locate shorts and opens

SIGNALTEK™ Specifications

Cable Types

- Voice/phone cable - USOC/RJ-11/RJ-12 interface
- Data Cable - STP/UTP (RJ-45) for CAT 3/5e/6/6a/7 cabling
- Coax cable - via RJ-45 to F Patchcord, series 6, 59, 58 cabling (50/75 Ohm)

Battery Life: Standard AA Alkaline batteries

- Stand by - 90 days
- Cable testing - 30 hours
- Network monitoring - 4 hours

Physical Dimensions

- Display handset: 7.9" L x 3.6" W x 1.5" D
- Remote handset: 6.8" L x 3.5" W x 1.5" D
- Near-end Weight: 12.5 oz.

Ports/Connections

- RJ-45 test interface port
- Mini USB "A" port
- Standard USB "B" port
- DC power input for long-term network monitoring

Description	Cat. No.
SIGNALTEK™ Kit	33-974
Universal 120-240V Power Adapter	4010-00-0136
RJ-45 to 8 Head Alligator Clip	K-7920
Replacement Cable Accessory Kit - contains all original cables in SIGNALTEK™ Kit	1219-91-0003

#33-974



LANTEK® 6/6A/7G LAN Cable Certification Testers

LANTEK offers a family of high performance cable certification testers to support a full range of LAN cable testing. The LANTEK family of certification testers uses the IDEAL patented measurement system that removes the effects of ordinary patchcords, thus making channel and permanent link certification of a cable standard such as CAT6a or ISO-F possible without changing adapters. The same patented technology also makes DUALmode Testing possible so the users can get any two test results simultaneously. As a result, the LANTEK Cable Certification Testers save you money and time on the job.

- **LANTEK® 7G 1GHz** is the world's first independently verified Level IV accurate LAN cable certification tester capable of testing installations up to 1 GHz, exceeding the requirements for CAT6a/7/ISO-F.
- **LANTEK® 6A 500MHz** is a Level IIIe verified certification tester designed to support the emerging CAT6a Standard to certify LAN cabling to support applications up to 10G Ethernet.
- **LANTEK® 6 350MHz** is a Level III verified LAN certification tester designed to support up to CAT6/ISO-E cabling.

Features of LANTEK® Products

- **High-Performance LANTEK® 7G/6A/6** – sweeps to 1 GHz and supports testing requirements up to CAT 6/6a/7/ISO-F and beyond
- **Level IV/IIIe/III Accuracy** – independently verified by ETL for baseline, channel and permanent link
- **DUALmode Testing to Save Time** – reports channel and permanent link test results simultaneously
- **Test with Patchcords to Save Money** – performs CAT6A/6/5e/ISO-Ea/E/D testing with standard patchcords to achieve the lowest cost of ownership
- **Largest Internal/External Memory Capacity** – makes record management easy
- **Convenient FIBERTEK™ Accessory** – simultaneously tests two fibers for attenuation and length
- **Innovative TRACETEK™ Accessory** – performs advanced fiber fault location and troubleshooting functions





The only tester to sweep to 1GHz



Kits Include:

PACKAGE AND ACCESSORIES	LANTEK6B Basic	LANTEK6ABAS Basic	LANTEK6APREM Premium	LANTEK6ATRV Travel	LANTEK7GBAS Basic	LANTEK7GPREM Premium	LANTEK7GTRV Travel
Soft Carrying Case	✔	✔	–	–	✔	–	–
Deluxe Hard Shell Case	–	–	✔	–	–	✔	–
Airline Grade Travel Case with Wheels	–	–	–	✔	–	–	✔
64MB Compact-Flash Memory Card	–	–	✔	✔	–	✔	✔
Category 6 Universal Adapters & Reference Cables	✔	–	–	–	–	–	–
Category 6a Universal Adapters & Reference Cables	–	✔	✔	✔	✔	✔	✔
CAT7 (TERA) Adapters & Reference Cables	–	–	–	–	✔	✔	✔
Batteries	2	2	4	4	2	4	4
DUAL Bay Rapid Battery Charger	–	–	✔	✔	–	✔	✔
Headsets (2), AC Adapters (2), Hanging Straps (2), Serial Cable (1), USB Cable (1), LANTEK Reporter Software (1)	✔	✔	✔	✔	✔	✔	✔

Note: Delivery content may vary outside of US. Please contact your local IDEAL sales office for details.
The airline grade Travel Case fits in most airline overhead storage compartments.

FEATURES	LANTEK6 Basic	LANTEK6A Premium	LANTEK7G Premium
Frequency Range	350 MHz	500 MHz	1 GHz
Supports CAT7 & ISO-F	Upgradeable	Upgradeable	✔
Supports CAT6a	Upgradeable	✔	✔
Support CAT6/5e/3 and ISO-E/D/C	✔	✔	✔
Accuracy Level III/IIIe (Draft)/IV (LANTEK6/6A/7G) verified by	ETL	ETL	ETL
Support DUALmode Testing to Save Time	✔	✔	✔
Test with Patchcords to Save Money	✔	✔	✔
Screen Display Area	Best	Best	Best
CAT6 Test Storage with Graphs	500	500	500
Standard External Compact Flash Memory	Option	64MB	64MB
USB/Serial Port	✔	✔	✔
Copper TDR Trace	✔	✔	✔
Fiber Loss Measurement (FIBERTEK)	Option	Option	Option
Fiber Distance to Break (TRACETEK)	Option	Option	Option
Talk over Fiber & Copper (Full Duplex)	✔	✔	✔
Display Screen on Remote	✔	✔	✔
Troubleshooting Tone Generator on Remote	✔	✔	✔
External Rapid Battery Charger & Extra Batteries	Option	✔	✔

Other Accessories	LANTEK6/6A/7G
Soft Carry Case	3010-12-0096
Deluxe Hard Carry Case	3010-12-0092
Batteries	1219-00-1604
Serial Cable	6011-50-0031
64 MB CompactFlash Card	2112-27-0605
CompactFlash Card Reader for PC	2112-27-0604
LANTEK CAT 6/5e Channel Adapters (ea.)	0012-00-0629
LANTEK CAT 6a/6/5e Channel Adapters (ea.)	0012-00-0656
LANTEK CAT 6a/6/5e Reference Patchcords (ea.)	6011-50-0029
Talkset (2)	3010-70-0015
User Manual	6510-00-5000
Dual Bay Battery Charger	0012-00-0642
LANTEK CAT 7 TERA Testing Kit	1019-00-1105
LANTEK CAT 7 NEXANS Testing Kit	1019-00-1110
Coax Testing Adapter Kit	1019-00-0343
110 Block Testing Adapter Kit	1019-00-1112
BIX Block Testing Adapter Kit	1019-00-1114
66 Block Testing Adapter Kit	1019-00-1115



FIBERTEK™ and TRACETEK™ Advanced Fiber Test Options



Features of FIBERTEK™ Products

- Measures signal loss and length
- 850nm VCSEL light source enables Gigabit Ethernet certification on Multimode fiber
- Enables bi-directional, dual wavelength measurements
- Full duplex talkset capability
- Provides easy switching of LANTEK® Cable Tester between Copper and Fiber LAN testing
- Separate loopback testing method for high precision length
- Outstanding Temperature Compensation provides highly accurate test results in a wide variety of environments

FIBERTEKMMP Multimode Fiber Testing Premium Kit

- All of the features of the FIBERTEKMMB plus TRACETEKMM (below):

FIBERTEKSMP Singlemode Fiber Testing Premium Kit

- All of the features of the FIBERTEKSMB Plus TRACETEKSM (below):

Features of TRACETEK™ Products

- Enables LANTEK® certification testers to provide an event trace at a fraction of the price of an OTDR
- Provides easy switching of LANTEK® certification tester between FIBERTEK™ loss and length measurement and TRACETEK™
- Includes event plots that pinpoint significant losses along the fiber
- Provided with launch cable and appropriate connectors

FIBERTEK/TRACETEK PACKAGES	FIBERTEKMMB	FIBERTEKMMP	FIBERTEKSMB	FIBERTEKSMP	FIBERTEKALLB	FIBERTEKALLP	TRACETEKMM	TRACETEKSM
FIBERTEK – 850nm MM Adapter	✔	✔			✔	✔		
FIBERTEK – 1300nm MM Adapter	✔	✔			✔	✔		
FIBERTEK – 1310nm SM Adapter			✔	✔	✔	✔		
FIBERTEK – 1550nm SM Adapter			✔	✔	✔	✔		
TRACETKEK – 1300nm MM Adapter		✔				✔	✔	
TRACETKEK – 1310NM SM Adapter				✔		✔		✔
Fiber Cleaning Starter Kit	✔	✔	✔	✔	✔	✔	✔	✔
62.5/50µm, MM, ST-ST Cable Kit	✔	✔			✔	✔		
62.5/50µm, MM, FC-ST/FC-SC Cable Kit		✔				✔	✔	
9µm, SM, FC-ST Cable Kit			✔	✔	✔	✔		
9µm, SM, FC-ST/FC-SC Cable Kit				✔		✔		✔

See your IDEAL representative for additional specifications on all certification products.

SecuriTEST™ CCTV/Security Tester

NEW

CCTV installers often need to carry a variety of testing tools to complete their work. SecuriTEST combines the most-needed tools in one easy-to-carry package. Since all connections (video/communications/DMM) attach to a single unit, SecuriTEST eliminates the need to juggle several devices while on a ladder or lift, making working conditions safer and increasing productivity.

- Six Essential CCTV Tools – Combines a CCTV video tester, PTZ camera controller, Digital Multi-Meter, UTP cable tester, video test pattern generator and PTZ protocol analyzer in a single compact package.
- Save Time & Money – Test, aim and focus cameras when working alone and save time by not having to walk back to the control center to verify functionality of each camera.
- Compact Design – Combines all the most needed security tools in a lightweight, easy-to-carry unit with a sharp, bright 2.5in (6.3cm) color LCD screen with on-screen displays for PTZ control/diagnostics and DMM readouts.
- PTZ Protocol Analyzer – Compatible with over a dozen PTZ protocols to test and program cameras in the field. Decodes and identifies output from PTZ console to aid in troubleshooting.



Description	Cat. No.
SecuriTEST™ CCTV/Security Tester only	33-891
SecuriTEST™ Tester Pouch only	62-891

Includes: Rechargeable batteries, AC charger, car charger, test leads, wiremap terminator, neck strap and manual. 1-year Warranty.



#33-891

VDV MultiMedia Cable Tester

- **Voice** – supports 3-pair USOC and 6-position RJ-11/12 jacks
- **Data** – supports both shielded and unshielded cable testing to T568A/B (RJ-45)
- **Video** – tests coax cable for opens and shorts with F-connector interface
- Tests for opens, shorts, miswires, reversals and split pairs. Also indicates correct wiremap. Has automatic shut off (to prolong battery life) and low battery indicator.
- Easy to read LCD display with "PASS/FAIL" indicator after each test
- Tone generator supports four different tones making fault isolation easier



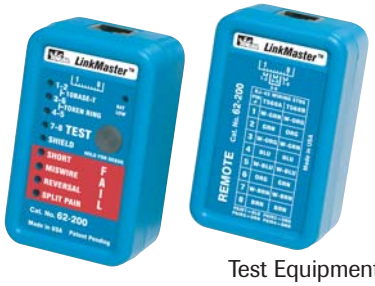
Description	Cat. No.
Kit with integrated remote and accessories	33-856

LinkMaster™ Tester

Tests wiring configurations on UTP/STP cables. Checks for shorts, miswires, reversals and split pairs. Debug feature, automatic shut-off and low battery LED indication.

- Designed to test installed twisted pair wiring
- Tests unshielded and shielded modular plugs
- Main unit and remote allow one person testing

Works Great on CAT 6 Cabling



Description	Cat. No.
LinkMaster™ Tester and Remote (blister card)	62-200

LinkMaster™ PRO and LinkMaster™ PRO XL Testers

The LinkMaster™ PRO & LinkMaster™ PRO XL Testers enable installers, contractors and maintenance technicians to map, test and troubleshoot data and voice communication cable and coax runs. Rugged, versatile, and easy-to-use, they have mastered the link between performance, simplicity and value for both commercial and residential applications.

Features

Description	LinkMaster™ PRO	LinkMaster™ PRO XL
Blinks the hub		■
Displays length measurement with test results		■
Remotes have both RJ-11 and RJ-45 jacks		■
Backlight LCD screen		■
Measures length on UTP, STP and coax	■	■
Tests UTP for shorts, opens, miswires, reversals, split pairs and shield continuity	■	■
Test coax for opens, shorts and continuity	■	■
Shows wiring errors	■	■
Tests and identifies with all eight twisted pair and coax remotes	■	■
Sends tone with four different signals	■	■
Displays test results in wire map format	■	■
Snap-off battery cap	■	■
9 volt battery included	■	■



Kits and Accessories

Description	Cat. No.
LinkMaster™ PRO XL Kit w/eight remotes	33-880
LinkMaster™ PRO XL Kit w/eight remotes & ABS™ Tester	33-881
LinkMaster™ PRO XL Kit w/eight remotes (international packaging)	33-886
LinkMaster™ PRO XL Economy Kit w/one remote	33-887
LinkMaster™ PRO Kit w/eight remotes - Unshielded jumper cables	33-825
LinkMaster™ PRO Kit w/eight remotes - Shielded jumper cables	33-826
LinkMaster™ PRO Economy Kit w/one remote - Unshielded jumper cables	33-835
LinkMaster™ PRO Economy Kit w/one remote - Unshielded jumper cables	33-836
RJ-45 to RJ-11 jack adapter (2/card) POP Packaging	LA-4233
RJ-45 to F-connector adapter (2/card) POP Packaging	LA-4234
LinkMaster™ PRO XL remotes UTP/STP 2-8 only (white carton)	LA-4235
LinkMaster™ PRO XL large replacement case	H-3412
Security Kit - 8-position modular adapter and eight RJ-45 to alligator clip lead sets	LA-4157
BNC Accessory Kit	LA-4173
Set of eight color-coded F-terminators for LinkMaster™ PRO or PRO XL	LA-4159
LinkMaster™ PRO large replacement case	H-3324
Replacement economy kit case	IA-4868



#33-880



#33-887



#33-825



#33-835

Amplifier Probe & Tone Generator and Kits

Amplifier Probe

- Identifies and traces wire or cables within a group
- Battery cap allows quick and easy battery replacement
- Battery low indicator

Tone Generator

- Emits three different types of tones
- Auto-off after three hours of non-use
- Tone can be added in any status

Description	Cat. No.
Amplifier Probe	62-164
Tone Generator	62-160



33-864



33-862

Kits include: Amplifier Probe, Tone Generator, Lead Set, Cable Assembly and flat tip

Description	Cat. No
Kit in soft black pouch	33-864
Kit in hard gray case	33-862
Replacement Tip – Standard	LA-4145
Replacement Tip – Flat	LA-4144

TRACETone™ Tone Generator & Amplifier Probe



- Test continuity and locate signal of installed wire and cable
- Two selectable tone styles
- Tone Generator & Amplifier Probe fit together for easy storage
- Extra-deep serrations grips wire better
- RJ-11 Alligator Clip, RJ-11 Cable Assembly included

Description	Cat. No.
TRACETone™ Tester and Accessories (blister card)	62-140

ABS™ Tester & ABS™ Signal Thrower™ and Kits

ABS™ Tester

- Amplifier probe with telephone troubleshooting capabilities
- Tone TRACE feature detects tone signal
- Receives and reproduces telephone system dial tone
- Indicates call addressing for correct telephone number
- Polarity indicator tests for correct wiring and power

ABS™ Signal Thrower™

- Works with the ABS™ Tester to locate and identify cables
- Emits three different types of signals
- Auto-off after three hours of non-use

Description	Cat. No.
ABS™ Tester	62-180
ABS™ Signal Thrower™	62-184

33-854





33-852

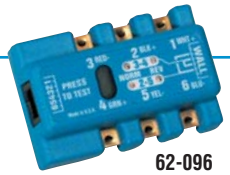


62-188

Kits include: ABS™ Tester, ABS™ Signal Thrower™, Lead Set and Cable Assembly

Description	Cat. No.
Kit in soft black pouch	33-854
Kit in hard gray case	33-852
Kit on blister card	62-188

Modular Adapters



62-096

Smart6™ Modular Tester

- 6-position Tester
- Incoming call identification

Data8™ Modular Adapter



62-098

- 8-position Adapter
- High-performance jack
- Internal circuit design to reduce attentuation, coupling, NEXT

Description	Cat. No.
Smart6™ Modular Tester	62-096
Data8™ Modular Adapter	62-098

Stripmaster® Wire Strippers

- One-step stripping enhances productivity
- Spring-action motion increases leverage and reduces operator fatigue
- Precision-ground, knife-type blades provide clean, accurate stripping
- Sturdy die cast frame provides long-term durability

Tuff-Tote™ Leather Tool Carriers

- Convenient 6 in. x 8 in. tool carrier with four center screwdriver slots, two interior compartments, two divided outside pockets and four outside tool loops

Benders

- Lightweight aluminum for easy handling
- Strong enough for every day use



WeatherProof™ & UnderGround™ Wire Connectors

- Silicone-based sealant protects against moisture and corrosion
- UL Listed to 486D for use in damp/wet locations or direct burial
- Easy to apply, pre-filled twist-on wire connectors

Hole Saws

- Thicker, FLEX FREE backing plate for clean true holes and longer tool life
- Improved bi-metal construction for long life and durability
- Variable pitch tooth geometry for fast cutting and reduced vibration

VoltAware™ NCV Tester

- Indicates presence of voltage from 40-1000VAC
- Visual indication of voltage
- Selectable audible indication of voltage
- Sleek, compact design
- Green LED indicates power on

Velocity™ Wire Pulling Lubricant

- High cling factor
- Maximum friction reduction
- Specification grade
- Compatible with all popular cable types
- Temperature stable

Kinetic™ Reflex™ T®-Stripper Wire Strippers

- Non-slip santoprene™ textured grips and thumb rest
- Plier nose for holding and twisting wires
- Slide lock for safety and storage
- Thumb and finger valley makes stripping easier and more accurate

Twister® Pro Wire Connectors

- SureGrip™ overmolding provides better grip for improved leverage and more torque
- Comfortable swept wings designed to help reduce hand fatigue
- Expanding square-wire spring provides a secure connection every time

BUCHANAN B-CAP® Wire Connectors

- Three color-coded models cover a full range of wire sizes from 22 AWG through 6 AWG
- Classic Fin™ design provides secure grip for extra leverage on maximum wire combinations
- Live-action spring expands to accept wire shape and size - no pre-twisting required



Industrial Clamp Meters

- 600 and 1000 amp clamps for a variety of industrial and commercial environments
- Unique TightSight™ bottom display makes hard-to-reach measurements convenient
- New easy-to-read displays feature large numbers and green glowing backlight

Tuff-Grip™ Pro Fish Tapes

- Tuff-Cuff™ tape retaining feature keeps tape properly positioned in the opening
- Full-perimeter handle band helps keep dirt and moisture out, prolonging life
- Easier to install replacement tapes
- Superior pull-out and rewind characteristics

WireMan™ Pliers

- Large head for extra strength
- High leverage rivet requires less cutting force
- Custom hardened tool steel for durability
- Cross-hatched jaws so wires won't slip when pulling

TERMINATING COAXIAL CONNECTORS



Cable Types

There are three basic communications cables used. They are coaxial cable for video applications, Cat5e UTP cable for data networking and Cat 3 used in telephone applications.

Coax Cable

RG-59 Generally not recommended anymore for CATV or Satellite. Smaller 22 AWG center conductor with 40% braiding, thinner in diameter than RG-6. Loses 80-90% of a signal every 100 ft.

RG-6 Is recommended by CATV and Satellite. 18 AWG center conductor with 60% braiding. Loses about 50% of the signal every 100 ft.

RG-6 Quad Is double shielded with two layers of foil and braiding with a 18 AWG center conductor. Use where extra protection from outside interference is needed. Loses about 50% of the signal every 100 ft.

Category 3, 5e, and 6

Cat 3 Cable Primarily used for phone applications where wiring is ran behind walls and is recommended by the FCC for phone use. Can be used by Data networks that are limited to 10 Mbs. Available in 2 and 4 pairs

Cat 5e and 6 Cable Used for Data networking of computers together. Cat 5e can be used for computer networks up to 1000 Mbs and Cat 6 is used for networks up to 250 MHz.

Cat 3, Cat 5e and Cat 6 cables twist the individual pairs to reduce noise or interference between the pairs that provides a stronger signal.

Coax Connector Types

Typical coaxial cable connectors used for CATV, satellite and video applications are called “F” connectors. Available in a compression, one-piece crimp, push-on, and a twist-on style. For security applications, BNC style connectors are used. They are available in crimp or compression style.

Twist On are the easiest to use but can be pulled off the end of the cable. Crimp On have been the standard connector used for many years. Push On are a great alternative and really stay on the end of the cable and require no extra tools to install. Compression connectors add a watertight seal and are recommended by satellite and CATV providers.

The connectors are available for RG-59, RG-6 and RG-6 Quad coaxial cables. Make sure to match the connector to the type of coaxial cable you’re installing.

COAXIAL/CONNECTOR SELECTION GUIDE

Compression



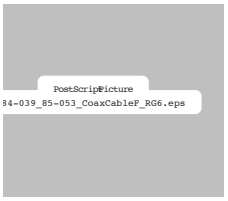
Push-On



Crimp-On



Twist-On



Best Connection → **Better Connection** → **Good Connection**

COAXIAL/CONNECTOR SELECTION GUIDE

Pro—Compression Connector

Professionals use compression connectors because they are approved by cable and satellite providers. However, they are easy enough for anyone to install. The connector is permanent and does not pull off the cable and provides a watertight connection.



Best—Push On Connector

After stripping the cable and folding back the braiding, the connector is “pushed” onto the cable until the white dielectric is even or flush with the small opening. The push-on connector is a permanent termination and cannot pulled off.



Better—Crimp On Connector

Crimp On connectors use a crimping tool to install the connector onto the end of the cable. After stripping the cable, the connector is pushed onto the cable. Simply load the connector into the correct hole in the tool and squeeze the tool until it releases (more detailed instructions included with tool).





Good—Twist On Connector

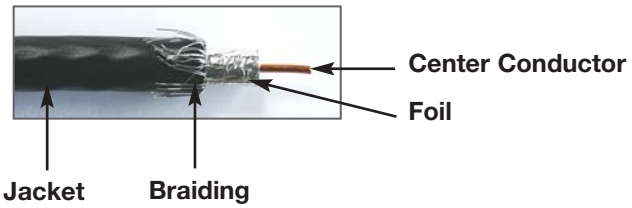
Twist On connectors simply thread onto the outer jacket of the cable after it has been stripped. They require no additional tools to install. Just twist the connector onto the cable until it is fully seated.



DEFINITION OF TERMS

Braid

Same as shielding- Typically made from a number of smaller aluminum or copper conductors interwoven together to form an outer conductor around the dielectric core. The braiding stops lower frequency noise from interfering with the signal traveling down the center conductor.



Center Conductor

RG-6 and RG-6 Quad have a 18 AWG copper coated steel conductor that carries the signal.

Dielectric

Insulation used to separate between the center conductor and braid/shielding conductor of coax cable.

Foil

The foil shield stops higher frequency noise (RFI) from interfering with the signal traveling down the center conductor.

Jacket

Outer material serves as a protective covering from the environment and may also add in the overall flame retardant properties of the cable.

COAXIAL INSTALLATION STEPS

Step 1

Choose the right connector from the selection guide.

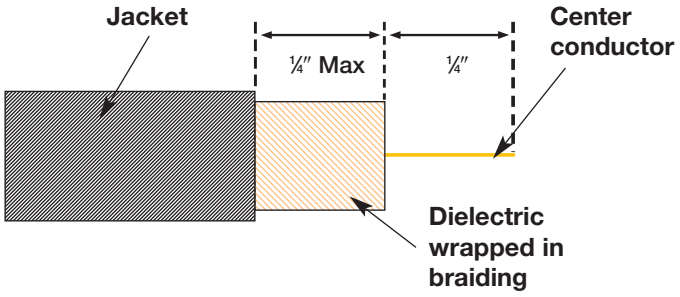
Step 2

Cut Cable



Data T®-Cutter
Cat. No. 45-074

Cut cable using a round cutter to maintain cable geometry.



Step 3

Strip Cable

BNC compression and all F-connectors require a two step 1/4 in. x1/4 in. strip. Crimp BNC require a 3 step strip. (See product packaging for instructions.)



Coax Stripper
Cat. No. 45-603

Strip cable by inserting cable into stripper and rotate stripper multiple times.



Fold back braiding
Fold back braiding over outer jacket of cable. Place connector onto cable until white dielectric is even with center hole of connector.

TERMINATING A DATA JACK

Step 4 - Terminate

Compression F-Style
Place the connector onto the end of the cable until the white dielectric is flush with the center hole of the connector. Insert the connector into the tool and squeeze the handle until the connector is fully compressed.

Crimp F-Style
Insert stripped cable into connector until the white dielectric is even with the center hole. Crimp per tool's instructions.

Compression BNC
Insert stripped cable into BNC connector until the white dielectric reaches a point where you can feel the center conductor connect with the inner center pin socket.

Compress per your tool's guidelines.

(NOTE: To help approximate how much cable to push into the connector for the center conductor to grab, you can do the following: Hold stripped cable against the connector as shown in photo to the right. End of center conductor should line up with movable portion of connector. Mark cable where it meets end of conductor. This mark shows how far to insert cable fully seat conductor.)

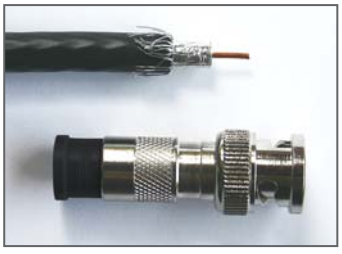


Cat. No. 30-603



Finished connector





TERMINATING A DATA JACK

Step 5 - Testing

Test the cable with a continuity tester to make sure cable is properly terminated with no opens or shorts.



LinkMaster® Pro XL
Cat. No. 33-880



VDV MultiMedia Tester
Cat. No. 33-856

DATA WIRING

Cable Pulling Tips

Maximum pulling tension—25 lbs.

Minimum bending radius—4 times diameter of cable

12 in. from power lines

4 ft. from motors or transformers

12 in. from fluorescent lighting

Should cross perpendicular to power lines

Cable untwisting allowed after termination:
3 in. for Category 3 cable
0.5 in. for Category 5e and Category 6 cable



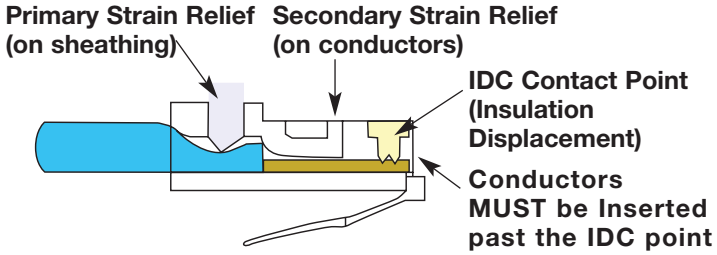
Avoid kinking or bending cable. Cable ties should not be overly tight. Don't use standard staples to support cable as they may crush the cable.

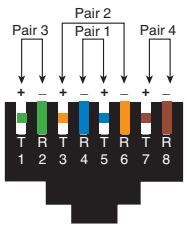
What are RJ-45 Modular Plugs?

All Category 3 (16 MHz), 5e (100 MHz), and 6 (250 MHz) UTP cables that connect computers and other networked equipment together are terminated with an 8-position modular plug. The completed cable, typically called a patch cord, it is terminated with an RJ-45 connector on each end. All computers use this style connector and is very common in the industry. It can also be used for 4 line telephone systems.

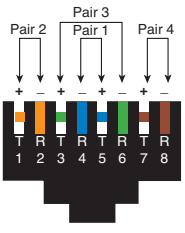
Use quality connectors, make sure the plugs you buy are rated for data applications. They should also be rated for the type of UTP cable being used, either solid or stranded cable. If you use stranded rated plugs on solid Cat 5e cable the result will be opens in the connections. However, you can use solid modular plugs on solid or stranded cable.

The cable must be terminated to the EIA/TIA wiring standards. Shown to the right are the wiring orders for the connector. Typical patch cords terminate the connections the same way on both ends of the cable. Crossover cables are sometimes needed, wire one end in 568A to other 568B.





T568-A*



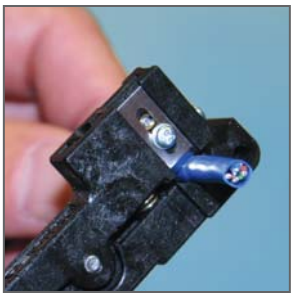
T568-B (AT&T)

Note: Diagrams reflect flat surface of modular plug facing up, with tab side down.

TERMINATING DATA MODULAR PLUGS

Step 1

Strip back 2 in. of outer jacket.



Cat. No. 45-165

Step 2

Separate pairs into proper sequence either EIA/TIA 568 A or B.

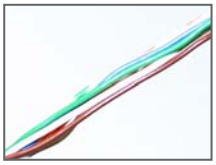
(NOTE: Wiring configurations reflect flat surface of the modular plugs facing up, with tab side down.



T568A



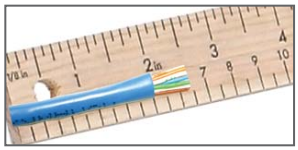
T568B



Flatten all pairs together

Step 3

Flatten the pairs so they are close together and in the right color sequence. Then trim them to 1⁄2 in. from the outer jacketing. Slip plug onto the cable as shown. Gold pins of plug are facing the installer. Otherwise, the resulting connection will be mis-wired.



Trim conductors 1⁄2 in.



Insert wire pairs into plug

Step 4

Terminate the plug using a modular plug crimping tool. Simply insert it into the RJ-45 die in the tool and squeeze the handles firmly.



Cat. No. 30-522

TESTING DATA MODULAR PLUGS

Testing

Test the cable with a continuity tester to make sure cable is properly terminated with no opens, shorts, reversals, or miswires.



LinkMaster™
Cat. No. 62-200

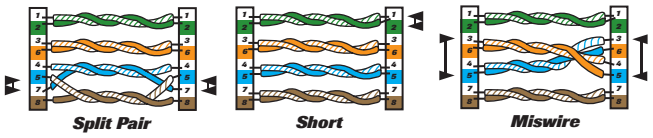


LinkMaster™ Pro XL
Cat. No. 33-880



VDV MultiMedia Tester
Cat. No. 33-856

Wire Error Definitions



TESTING DATA MODULAR PLUGS

Typical Questions

How to decide which wiring configuration to use:

EIA/TIA T568A and T568B:

Definition - A predetermined wiring order of individual conductors in a cable, based on the color of the conductor's outer sheathing.

Does the job specification call out a wiring configuration?

Does the customer/end user have a preference for T568A or T568B?

Are you adding on to an existing wiring structure? If so, your new cabling should match the existing wiring.

If none of the factors above apply, either T568A or T568B may be used. It is important to ensure that the workstation connectors and the patch cord are wired to the same pattern. T568B is commonly used in commercial installations, while T568A is prevalent in residential installations.

DATA JACK

What is a Data jack?

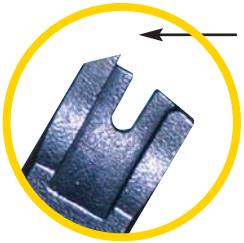
These terminations for Category cables like Cat 5e and Cat 6 cable for data applications are very common today. An installer will terminate the jack using a punchdown tool as shown. Refer to the jack manufacturer for instructions on how to properly install the cable into the jack.



CAT 5e



Punch Down tool with 110 blade
Cat. No. 35-485



Cutting edge



110 Blade
Cat. No. 35-495



110/66 Blade
Cat. No. 35-407

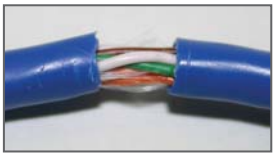
TERMINATING A DATA JACK

Step 1

Strip back 2 in. of outer jacketing of cable. Avoid damaging or nicking of the pairs.



Score cable with stripper
Cat. No. 45-165



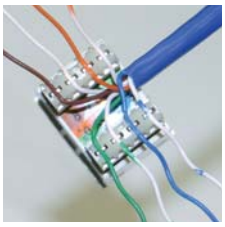
Bend cable, remove jacket

Step 2

Determine the wiring configuration to use. Separate the pairs and insert them into the colored slots. The jack will have both wiring codes printed on it. No more than 1/2 in. of each pair should be left untwisted.



T568A or T568B



Step 3

Terminate the wires into the slots on the jack by using a punch down tool as shown. Make sure cutting edge of blade is on outside of jack.

USE LOW IMPACT SETTING FOR JACKS





Terminated Jack

Step 4

Testing the connections.

Once you have everything terminated it is advised to test the cabling using a wiremap tester.

Tester Choices



VDV MultiMedia Tester
Cat. No. 33-856

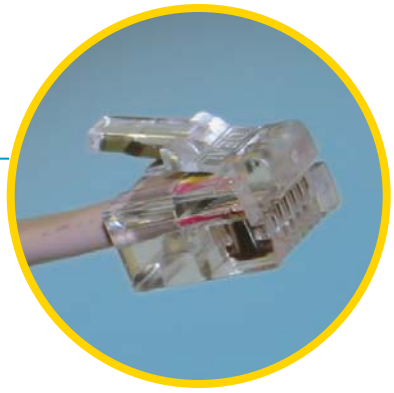


LinkMaster™
Cat. No. 62-200



LinkMaster™ Pro XL
Cat. No. 33-880

TERMINATING TELEPHONE MODULAR PLUGS



What is an RJ-11 Modular Plug?

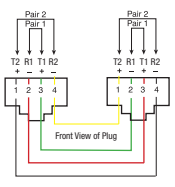
Telephones use patch cords to connect to the wall outlet. The cables are terminated with an RJ-11 Modular Plug. RJ-11 is a 2 pair or 4 wire connector which supports up to two phone lines.

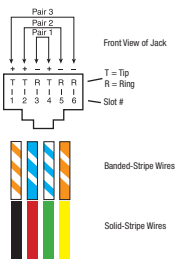
All phone cords are wired where the two ends of the cable are wired exactly opposite of each other.





Cat. No. 30-496





CAT 3

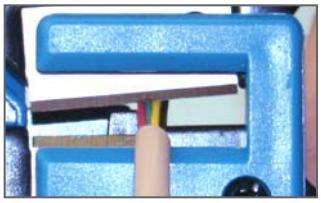
CAT 5e

TERMINATING TELEPHONE MODULAR PLUGS

Step 1

Trim end of cable and strip back 1/4 in. of outer jacket of cable with tool as shown.



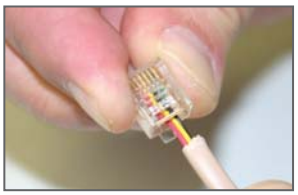


Cat. No. 30-496

Strip outer jacket and trim cable to 1/4 in.

Step 2

Insert stripped wires into RJ-11 plug (follow below color codes). Maintain the order of the wires while inserting into plug.



Step 3

Insert connector into RJ-11 die nest in middle of tool. Squeeze handles firmly to crimp the connector.



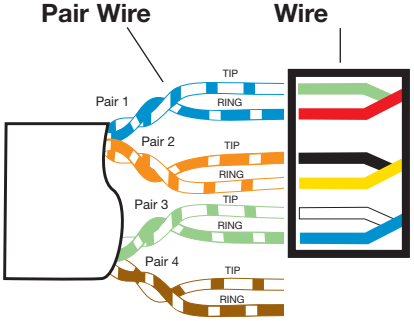
Step 4

Test the cable with a continuity tester to make sure cable is properly terminated with no opens, shorts or miswires.



Wire Color Codes — Convert "Old" to New

A. Band Twisted-Pair Wire **B. Solid Twisted-Pair Wire**



Standard 4-Pair Wiring Color Codes

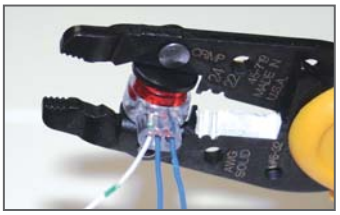
PAIR 1	T R	White/Blue Blue
PAIR 2	T R	White/Orange Orange
PAIR 3	T R	White/Green Green
PAIR 4	T R	White/Brown Brown

Note: For 6-wire jacks use pair 1, 2 and 3 color codes. For 4-wire jacks use pair 1 and 2 color codes.

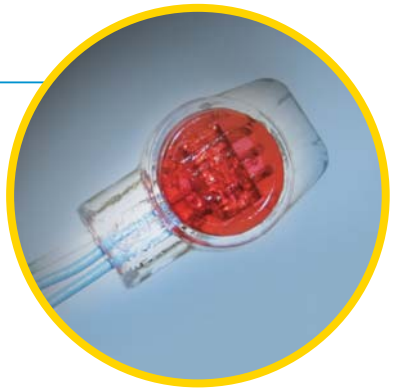
SPLICING CONNECTIONS

IDC Connections – "Jelly Beans"

These telephone connectors are used to splice or tap telephone wires together. They are moisture resistant to prevent corrosion. Designed for use on solid copper conductors.



Insert wires and squeeze with IDC tool.
Cat. No. 45-719





Cat. No. 85-925

3 Wire Butt Splice
Splices or taps up to three wires 19-26 AWG. Used to splice telephone wires together to run an extension to another phone.



Cat. No. 85-900

2 Wire Tap Splice
Taps a telephone wire 22-26 AWG. Used to splice telephone wires together to run an extension to another phone. Unique groove allows the installer to Tap the line without cutting or disrupting the service.



Cat. No. 85-950

2 Wire Butt Splice
Splices two wires together 22-26 AWG. Used to connect broken or cut telephone wires back together.

Connector Termination Instructions

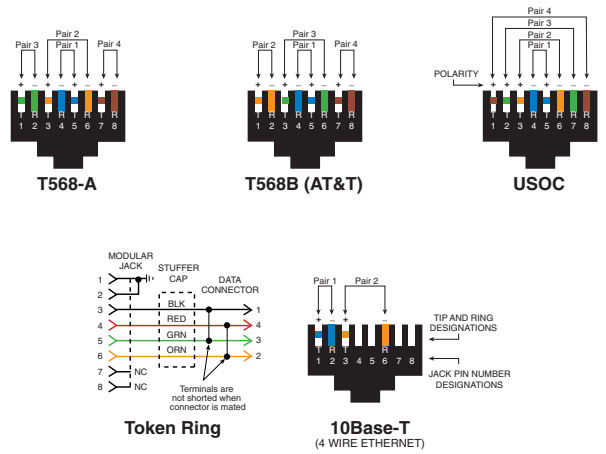
Fiber Optic Color Codes

Fiber #	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

TIA/EIA-606 Standards

Color	Description
Orange	Demarcation point
Green	Network connections on customer's side
Purple	Common equipment
White	1st level backbone
Gray	2nd level backbone
Blue	Horizontal cabling (closet end only)
Brown	Interbuilding backbone
Yellow	Auxiliary circuits
Red	Key telephone systems

Wiring Configurations for Modular Plugs

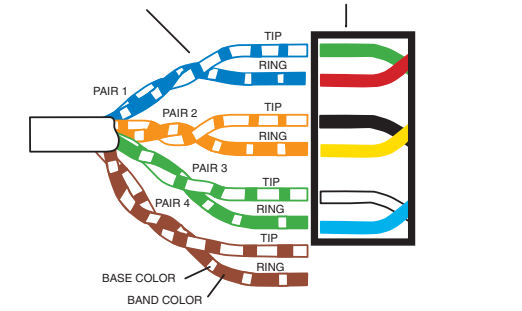


Note: Diagrams reflect flat surface of modular plug facing up, with tab side down.

25-Pair Color Codes

Color		Description	Color		Description
Pair 1	T R	White/Blue Blue	Pair 14	T R	Black/Brown Brown
Pair 2	T R	White/Orange Orange	Pair 15	T R	Black/Slate Slate
Pair 3	T R	White/Green Green	Pair 16	T R	Yellow/Blue Blue
Pair 4	T R	White/Brown Brown	Pair 17	T R	Yellow/Orange Orange
Pair 5	T R	White/Slate Slate	Pair 18	T R	Yellow/Green Green
Pair 6	T R	Red/Blue Blue	Pair 19	T R	Yellow/Brown Brown
Pair 7	T R	Red/Orange Orange	Pair 20	T R	Yellow/Slate Slate
Pair 8	T R	Red/Green Green	Pair 21	T R	Violet/Blue Blue
Pair 9	T R	Red/Brown Brown	Pair 22	T R	Violet/ Orange Orange
Pair 10	T R	Red/Slate Slate	Pair 23	T R	Violet/Green Green
Pair 11	T R	Black/Blue Blue	Pair 24	T R	Violet/Brown Brown
Pair 12	T R	Black/Orange Orange	Pair 25	T R	Violet/Slate Slate
Pair 13	T R	Black/Green Green			

Wire Color Codes



Standard 4-Pair Wiring Color Codes

PAIR 1	T R	White/Blue Blue
PAIR 2	T R	White/Orange Orange
PAIR 3	T R	White/Green Green
PAIR 4	T R	White/Brown Brown

Note: For 6-wire jacks use pair 1, 2 and 3 color codes. For 4-wire jacks use pair 1 and 2 color codes.

Technical Information

Data T®-Cutter (45-074)



- Maintains cable geometry for better cable performance
- Cuts multi-pair cable up to .500 in. (12.7mm) and coaxial cable up to RG-9/U
- Suitable for soft cables

Mini Compression Connectors (89-014SM, 89-014SMRCA)



- For use with most 21 - 25 AWG mini coax cable
- Nickel plated corrosion resistant body
- Mini RCA head is gold plated for superior contact performance
- Bandwidth is 5 Mhz - 3 GHz, Impedance is 75 Ohms (nominal), return loss min. -30 dB @ 3GHz

OmniSeal™ Pro Compression Tool (30-603)

- Compresses F-type, Mini F-type, RCA and Mini RCA connectors
- Adjustable
- Factory pre-set to work with ALL IDEAL compression connectors and most major manufacturer's RG-59, RG-6, RG-6 Quad and RG-11 connectors

Coax/UTP Stripper (45-603)

- Features two active strip cartridges for all RG59, RG6, RG6 Quad and UTP cables
- Push on ring for easy cable into connector insertion
- Rotates easily around finger
- No blade depth adjustments required



OmniSeal™ Compression Pro XL Tools (30-793)

- Compresses F-type, Mini F-type, RCA, Mini RCA and BNC connectors
- Adjustable
- Factory pre-set to work with ALL IDEAL compression connectors and most major manufacturer's RG-59, RG-6, RG-6 Quad and RG-11 connectors

2.3GHz Satellite/Digital TV Splitter (85-332, 85-333, 85-334)

- Splits signal up to 2.3 GHz required for good satellite TV performance
- Has power pass capability required for satellite TV installations
- Corrosion resistant – can use outside or inside
- Splitters also available for Digital and Analog TV (85-132, 85-133, 85-134)
- CATV Cable Splitter (85-032, 85-033, 85-034)

Universal Coax Compression Connectors

- One connector for all cable types within a given RG series



Plenum RG-6 (89-060P)



Universal RG-6 (89-060)



Universal RG-59 (89-059)



Universal RG-11 (89-011)

Residential Coax Application Guide

F/BNC Connector Tool (35-046)

- New and improved
- One tool works on F & BNC crimp and compression connectors
- Eliminates finger/hand fatigue attaching and detaching connectors to equipment

LinkMaster™ PRO XL (33-880)

- Tests for wiremap, miswires, opens, shorts, reversals, and split pairs
- Blinks the hub
- Tests up to 8 jacks/locations with 8 different remotes
- Measures length
- Easy to read backlit LCD screen

VDV MultiMedia Cable Tester (33-856)

- One tester for video (F-Connector), data (RJ-45) and voice (RJ-11, 12) applications
- Tests for wiremap, miswires, opens, shorts, reversals, and split pairs







Economy Compression Kit (33-620)

- Great for starting out with compression technology
- Everything you need to terminate a coax compression connector
  - Data T®-Cutter (45-074)
  - 2-Step Stripper (45-526)
  - Economy Compression Tool (30-633)
  - 10 RG-59 Compression Connectors (89-054)
  - 10 RG-6 Quad Shield Compression Connectors (89-056)
  - 20 RG-6 Compression Connectors (89-055)

Compression Coax F-Connectors



RG-6 Connector (89-055)



RG-6 Quad Shield Connector (89-056)



RG-59 Connector (89-054)

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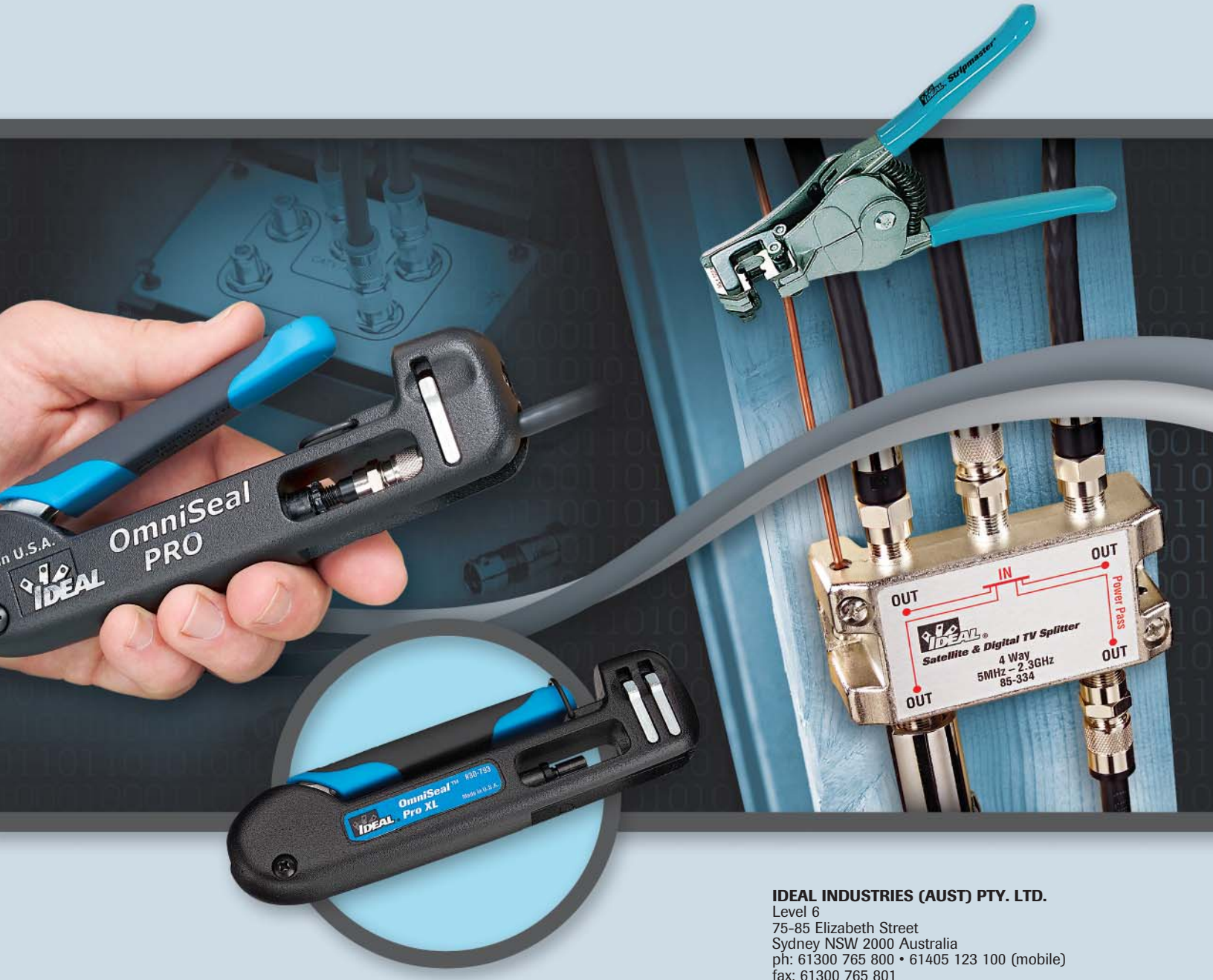
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Rev. 11/07
Form No. P-435
Printed in USA
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